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INDEFINITELY POSTPONED:

CSC Shoots Down Hébert Proposal; Seeks "Comprehensive" Revisions

HOUSE Armed Services Committee action on the Hébert retired-officer legislation was postponed indefinitely this week after a one-day hearing at which the proposal was shot full of holes by the Civil Service Commission.

Acting Civil Service Commission Chairman Barbara Gunderson, in a letter to Chairman Carl Vinson (D-Ga.), outlined a long list of "specific difficulties" which the Commission sees in the proposal. She suggested "comprehensive revisions."

The proposed two-year "cooling off" period would not only bar retired officers from sales jobs, the Commission asserted, but would bar them from practically all jobs with defense contractors.

Before the CSC letter was read to the Committee by Chief Counsel Robert W. Smart, Assistant Secretary of Defense Charles C. Finucane (MP&R) testified that the Pentagon is in "full accord with the general objectives of the bill." He

also recommended a number of changes, however, including a substitute definition of "selling" which, he said, should be incorporated in the legislation. The committee definition is contained only in the Congressional report.

—Continued on page 11

SAC Heads For "Rail Alert"

BALLISTIC MISSILE DIVISION
INGLEWOOD, CALIF.

THE Strategic Air Command, which has been denied the full funds it seeks to prepare for an "airborne alert," is working on plans for a ballistic missile "railroad alert."

This was reported here to newsmen on the ARDC National Press Tour by Col. Samuel C. Phillips, Program Director for the Minuteman in the Ballistic Missile Division, commanded by Maj. Gen. O. J. Ritland.

Colonel Phillips said that BMD and SAC have been holding meetings with officials of the Association of American Railroads to work out operating details for the mobile version of the Minuteman ICBM.

Preliminary plans call for SAC crews, operating from a "mother" base, to maintain an "alert posture" aboard a train of railroad cars for several days or more on each trip.

This rail deployment is designed to prevent an enemy from pinpointing the Minuteman force, thus enhancing "survivability."

It has not yet been decided whether

—Continued on page 20

HITS \$\$\$ YARDSTICK:

Chairman Vinson Cites Need For "Drastic Sacrifices" To Overcome Missile Lag

(Editorial, p. 10)

CHAIRMAN Carl Vinson (D-Ga) of the House Armed Services Committee issued a stern warning this week that "drastic sacrifices" are needed if the United States is to overcome future Soviet missile superiority.

"There will be a missile lag," he declared.

In a rare public speech 9 February, Chairman Vinson attacked the practice of measuring military requirements "in dollars and not in missiles, rockets, submarines, armor, planes and men."

He said "additional military items" are



Chairman Vinson

needed to provide an adequate national defense, and when the American people learn the "hard, clear facts" they will not shrink from the added cost but will, in fact, "demand increased defense efforts."

The powerful House Chairman declared that "Fiscal solvency is not the sole interest and final concern of the American people. The safety of our homes and our liberty and freedom are far more important."

Speaking at the Veterans of Foreign Wars annual dinner honoring veterans

—Continued on page 20

AF Halts De-Winging For 2107 Officers

Air Force Chief of Staff General Thomas D. White has revoked orders which would have suspended 2,107 rated officers from flying status 1 March.

At the same time, General White said he will personally review the criteria which will be used by future flight status selection boards in removing rated officers from the flying rolls.

Air Force reaction to the mass suspensions, officials said, was even greater than anticipated.

They said General White, in a move to head off "any serious impairment of morale and efficiency," had personally ordered the flight status suspensions can-

—Continued on page 20

Secretary Brucker Tells How Pentagon Side-Track \$4.5 Billion In Army Funds

TO ease some of its own financial problems, the Pentagon has juggled the Army out of almost \$4.5 billion since the end of the Korean War.

This charge is made by Secretary of the Army Wilber M. Brucker in testimony released 8 February by the House Military Appropriations Subcommittee.

Secretary Brucker told the Congressional budgeteers, "Year after year money was taken out of our budget after you granted it."

He said the Army has been given only \$43.4 million of the \$382.6 million in additional Army funds voted by the Congress last year to speed modernization and beef up the Nike-Zeus anti-missile missile program.

The Army Secretary said \$175 million of the Nike-Zeus money has been placed in reserve by "higher authority."

Another \$164.2 million, he said, was diverted to cover a procurement deficiency which resulted from fiscal procedures the Army has opposed. He added that the fiscal procedures have since been rescinded "as a result of the Army's continued insistence in the matter."

Secretary Brucker said "Each year since the termination of war in Korea in 1953, adjustments made in funds available to the Army have assisted in easing the financial problems of the Department of Defense."

Allocations to the Army, he said, "have not been of the amount that ought to have been made to it on the basis of its needs and roles and missions."

USMA GRAD MANAGES WEAPON SYSTEM:

Initial B-70 Flight Pushed Back By Budget "Reorientation" But North American Says Operational Dates Could Still Hold

LOS ANGELES, CALIF. DESPITE the budget-dictated slash in the Mach 3 B-70 Valkyrie bomber, "it is possible to meet our original operational delivery dates if we should receive a reinstatement of the program by about the middle of the summer."

This was the word given here 8 February to visiting newsmen on the ARDC

National Press Tour by North American Aviation Weapon System Manager Jack J. Jones.

A 1943 USMA graduate who was wounded in combat in WWII, Major Jones described the series of rigorous phase tests which the B-70 has surmounted, including an unprecedented 9000 hours of wind tunnel experiments. He said that North American was

ready to go into production the very month that word came from Washington of the "reorientation," which resulted in cancellation or reduction of work on the major systems, such as bomb-navigational.

"It is inconceivable to me that the United States, in this time of uncertainty of adequate future defense

—Continued on page 26

JOURNAL HIGHLIGHTS

Marine Lawyer Integration . . . p. 2

Navy-AF Join Army p. 3

JCS Cooperation Scored p. 4

Carrier Dispute p. 6

New ARDC Division p. 8

AF Names Generals p. 9

Harden Atlas Bases p. 23

Twining On Khrushchev p. 24

Need Vigorous R&D Effort . . . p. 26

President Approves MATS Reduction

PRESIDENT Eisenhower has ordered a reduction in MATS' regularly scheduled transport operations and a build-up of that organization's ability to meet hard-core military requirements.

His action, contained in a Defense Department report on "The Role of the Military Air Transport Service in Peace and War," was announced coincidentally with the establishment of a seven-man study committee to draft a program for carrying out the new MATS role.

Changes in the MATS mission approved by the President paralleled those recommended in the DoD report.

In addition to increased use of commercial carriers along MATS regularly scheduled routes, other policy actions

—Continued on page 28

Rivers Set To Probe Reserve Shake-Up

The Air Force's decision to revamp its Reserve and Air National Guard structure has sparked a full-scale Congressional investigation into the entire Reserve Forces Program.

Plans for the new investigation were announced 5 February by Representative L. Mendel Rivers (D-S. C.), coincidental with announcement of the Air Force Reserve changes before the Reserve Officers Association's Mid-Winter Conference at the Sheraton Park Hotel, Washington, D. C.

The new Reserve plan was told to the ROA by Mr. Lewis S. Thompson, Special Assistant to the Secretary of the Air

—Continued on page 8

U. S. ARMY ORDERS

Wilber M. Brucker—Secretary of the Army
 Hugh M. Milton, II—Under Secretary of the Army
 Dewey Short—Assistant Secretary (Manpower & Reserve Forces)
 Courtney Johnson—Assistant Secretary (Logistics)
 George H. Roderick—Assistant Secretary (Financial Management)
 Richard S. Morse—Director, Research and Development
 General Lyman Lemnitzer—Chief of Staff

GENERAL OFFICERS—

Maj General
 Pachler, Francis T., Wash, DC, to EUSA, Korea.

Brig General
 Ridsen, Richard A., Ft Carson, to ODCSLOG USA, Wash, DC.

Speldel, George S. Jr., USAREUR, to Hq XVIII, Abn Corps, Ft Bragg.

General Officer Appointments To Temp Maj Gen

W/DR as indicated:
 Wright, William H S., 1 Aug '55.
 Uhrhane, Francis F., 1 Aug '55.

To Temp Brig Gen
 W/DR as indicated:
 Darnell, Carl, Jr., Arty, 30 Jan '60.
 Blanchard, Robert M., Jr., Inf, 31 Jan '60.
 Hurlbut, Oren E., OrdC, 1 Feb '60.

INFANTRY—

Colonel
 Corley, John T., Ft Benning, to USA Elm Hq Allied Land Forces, Denmark, Copenhagen.

—Continued on page 5

ORDERS INDEX

Navy	Page 6
Marine	Page 7
Air Force	Page 8
Coast Guard	Page 25

Honor "Mr. Missile"



MAJ. GEN. H. N. Toftoy, Commanding General of Aberdeen Proving Ground, Md., receives the Lt. Gen. Lewis H. Campbell Gold Medal of the American Ordnance Association from General Campbell for his pioneer work in modern rocketry and contributions to military industry cooperation. General Campbell, Chief of Army Ordnance during WWII, is now retired and living in Annapolis, Md. Because of his many accomplishments in rocketry, including the assembling of the Von Braun missile team, General Toftoy has often been called "Mr. Missile."

Marine Corps Will Integrate Lawyers

The Marine Corps has embarked on a special program to integrate junior Reserve officer-lawyers into the Regular Corps.

The move is part of an overall plan to solve the Corps' lawyer shortage problem.

Eligible to apply for integration, under terms of MCO 1120.12, are permanent Reserve captains and first lieutenants on active or inactive duty who meet the following qualifications:

- Have an MOS of 0185 (Trial Defense Counsel Officer) or 0195 (Law Officer) or meet the requirements of either MOS
- Hold a law degree from an accredited university;
- Have passed the bar examination and are certified to practice before the highest court in resident State;
- Are junior to Maj. James S. Hecker, No. 2189 on the Combined Lineal List of 1 Jan. 1959 (to be computed constructively in the case of officers on inactive duty);
- Are physically qualified.

A selection board will be convened in April to consider applications which must reach the Commandant of the Marine Corps (Code DPF) not later than 1 April.

Certain commanding officers, the Director of Marine Air Reserve Training, and District Directors will convene interview boards to evaluate applicants.

Those integrated will be given primary law MOS, be assigned legal duties on a continuing basis, and serve on equal status with other unrestricted officers in all respects, including equal opportunity for promotion. They will not suffer loss of rank or lineal precedence. Headquarters said.

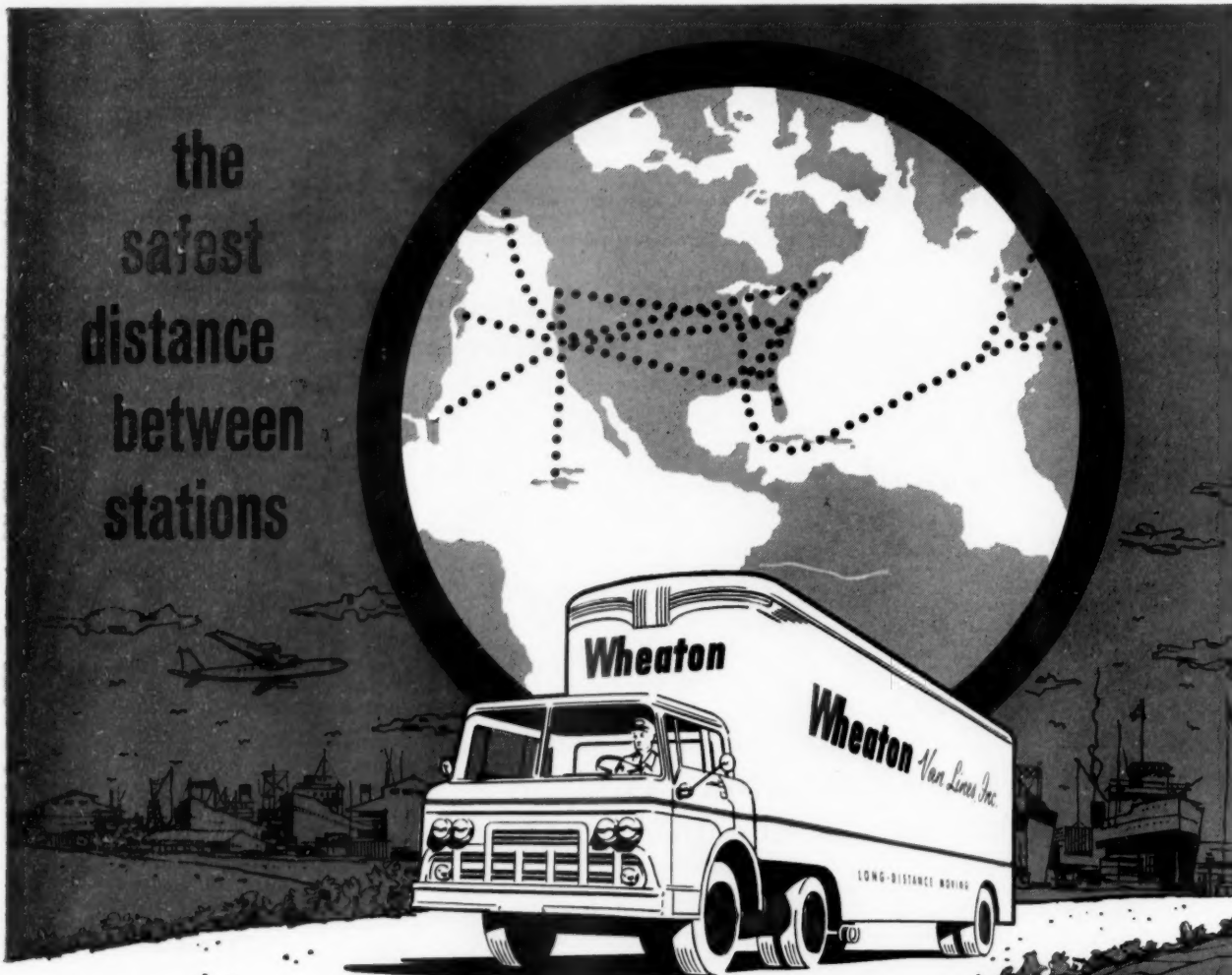
Next Week

The Air Force Flight Test Center, Edwards AFB, Calif., will be in THE JOURNAL spotlight next week as a continuation of the on-the-spot coverage of Air Research and Development Command installations featured in this issue and the issue of 6 February. There also will be other stories from the cross-country ARDC press tour.

A more detailed analysis of the Marine Corps' projected officer-lawyer career pattern (see story above) will be carried in next week's JOURNAL. Maj. Gen. Donald M. Weller, Marine Corps Assistant CofS, G-1, and members of his Staff have outlined the program objectives in a JOURNAL interview.

Chaplains Assigned

LCdr. August F. Mendonsa, ChC, has succeeded Lt. J. F. Heffernan, ChC, as Fleet Marine Force Catholic Chaplain at MCB 29 Palms, Calif.



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Funds Sought For Family Housing

The Defense Department has asked Congress to authorize the construction of almost 10,000 additional family housing units for the Armed Forces.

A \$1,142,122,000 military construction program, outlined to Congress on 4 February, calls for 8718 new Capehart units (financed separately), 415 overseas units to be constructed with foreign currencies, and 653 units to be built with appropriated funds.

The bulk of the \$1.1 billion authorization request involves construction of operational, training, maintenance, RD&T and supply facilities, hospital and medical facilities, administration buildings, troop housing, ground improvements, etc.

The construction is planned for 386 Army, Navy, Air Force and Marine Corps bases in the U. S., and others in the Caribbean Area, Europe, the Pacific Islands, Bermuda, Canada Japan and Korea.

Biggest share of the total goes to the Air Force: \$726,317,000. The Army would get \$166,304,000, the Navy and Marine Corps, \$163,651,000, the Department of Defense, \$43,545,000, and the Reserve Forces \$42,305,000.

No breakdown was provided to show where the new housing units will be constructed, but these details will be aired on 15 February when the House Armed Services Committee opens hearings on the authorization measure.

Missile Leaders Meet

Eight hundred military and industrial leaders will assemble 16-17 February at the Sheraton Park Hotel, Washington, D. C., for the third annual Missile/Space Industry Conference.

Principal Speaker at the Association's Dr. Robert H. Goddard Memorial Dinner 17 February will be Lt. Gen. Bernard Schriever, USAF, Air Research and Development Commander.

General White Interprets, Agrees With SAC Commander's 300-Missile Example

The speech in which General Thomas S. Power, SAC Commander-in-Chief, declared that 300 Soviet ballistic missiles "could virtually wipe out our entire nuclear strike capability," has been characterized by General Thomas D. White as "one of the best" the Air Force Chief of Staff has ever read.

When the subject of the speech arose during House Military Appropriations Subcommittee hearings, General White asked and received permission to insert the full text in the record of the budget testimony.

Chairman George H. Mahon (D-Tex) said General Power's statement was "quite provocative, if not alarming." He asked what was the reaction of top Air Force officials.

A statement submitted later by General White and inserted in the hearings, released 8 February, reads as follows:

"First I would like to give you my interpretation of what General Power was saying. As you point out, General Power made a general statement as to what the Soviets might be expected to do with any military superiority which they may be able to obtain in the future. General Power then made the hypothetical observation that if our nuclear strike forces were deployed at about 100 soft locations, as they are at this moment, virtually all of that strength could be disabled by as few as about 300 enemy missiles. However, he did not say that the Soviets have that many at this moment, or that when they do have 300 missiles that we would still be located at only 100 facilities, all soft.

"He then went on to say that the Soviets could be expected to augment whatever quantities of missiles they may already possess; that we must be prepared for the possibility; and that they might accumulate enough to increase the danger of surprise attack before our planned warning systems are completed and proven. He did not suggest that they will indeed achieve this margin of risk. He

Aerojet-General "Building Block" Rocket Will Figure In Air Force Decision On Powerful Solid Space Booster

SACRAMENTO, CALIF.

THE Air Force shortly will decide—possibly within a month—on how it will proceed in obtaining a solid rocket space booster well in excess of 1,000,000 pounds of thrust.

This would be at least double the thrust of the largest solid propellant boosters now available in this country.

One entry in the competition for the multi-million dollar contract is a "building block" propulsion system designed by the Aerojet-General Corporation here.

Aerojet President Dan A. Kimball, in a meeting with newsmen on an Air Force Air Research and Development Command National Press Tour, revealed 5 February that a small-scale version of the new rocket had been fired with 100% success in a test the night before.

In the accompanying photograph, Dr. E. R. Roberts, a world-renowned bridge player as well as rocket authority, holds a wooden mockup of the Aerojet "building block" system.

Dr. Roberts, Aerojet Solid Rocket Plant Research and Development Manager, answering newsmen's inquiries, said that it is now possible to fabricate segmented solid rockets in which each segment would be in the 1,000,000 pound thrust category.

The "building block" concept, as Dr. Roberts describes it, envisions shipping the rocket segments to the launch area for on-the-spot assembly. This would overcome the restrictions imposed on rocket sizes by road, rail, and airlift limitations.

President Kimball, Dr. Roberts and a group of other top Aerojet officials told newsmen of progress being made on



varied company rocket programs, including work on an \$85 million research and development program for propulsion of the three-stage Minuteman ICBM.

Aerojet also is responsible for the propulsion of the Polaris ICBM.

In addition to work on the new solid space booster, and the Minuteman and Polaris projects, Aerojet is working on the rocket system to be used in the new Sky Bolt Air Launched Ballistic Missile.

Side by side at the 20,000 acre Sacramento facility, Aerojet has a Solid Rocket Plant and also a Liquid Rocket Plant, the latter now devoting Priority attention to the Titan ICBM Power plants for the first stage and altitude-fired second stage.

President Kimball said that the "twin capability" of the Aerojet facility in liquid and solid propellants is a "prime reason for across-the-board success in rocket programs for all the Services."

Describing future goals, Dr. John C. Moise, Director of Preliminary Design at the Liquid Rocket Plant, said that successful development of a hydrogen pump makes feasible hydrogen-fueled space engines of up to 500,000 pounds thrust. He said that eventually it may be possible to use hydrogen to achieve 10,000,000 pounds thrust.

He maintains that "if industry were called upon to build such engines, we could be ahead of the Russians in space exploration within three years."

PRaises Speech:

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"He then went on to say that the Soviets could be expected to augment whatever quantities of missiles they may already possess; that we must be prepared for the possibility; and that they might accumulate enough to increase the danger of surprise attack before our planned warning systems are completed and proven. He did not suggest that they will indeed achieve this margin of risk. He

raised the point to lend emphasis to the measures we are taking to prevent it.

"He listed a number of actions which we are aggressively pursuing to maintain our margin of deterrent superiority

What General Power Said

Here is the pertinent excerpt from General Thomas S. Power's speech 19 January before the Economic Club of New York:

"Published statistics show that the total number of installations and facilities from which we can launch nuclear-armed aircraft or missiles at this moment is only about 100. All of these facilities present soft targets, that is, they could suffer crippling damage even in the event of a near miss.

"According to released data on nuclear effects, it would take an average of three missiles, in their current state of development, to give an aggressor a mathematical probability of 95 per cent that he can destroy one given soft target some 5,000 miles away. This means that, with only some 300 ballistic missiles, the Soviets could virtually wipe out our entire nuclear strike capability within a span of 30 minutes. To further heighten this threat, only about half of these missiles would have to be ICBM's. The rest could be the smaller IRBM's which are considerably less expensive and easier to produce."

—such as improving our manned bomber capability, phasing air-to-surface missiles into the bomber force, developing MINUTEMAN ICBM's both in hardened and mobile configuration, and backing all of

this up by developing an airborne alert potential in our heavy bomber force.

"I agree with General Power's hypothetical example of what the enemy could do with as few as about 300 ballistic missiles—that is, have a high probability of destroying 100 sites if they were all soft. Further, I also agree with General Power that the actions which we are now taking, and plan to take in the future to build up our missile force and improve its survivability while at the same time retaining a significant ground and airborne alert bomber potential, to improve our warning and to keep apace with the future military potentials of space, will all combine to form the kind of survivable military strength which the Soviets could not attack without receiving unacceptable destruction in return."

Heads 429th Refuelers

Lt. Col. Harold D. Schmoldt has assumed command of the 429th Air Refueling Squadron, Langley AFB, Va., succeeding Maj. C. J. English, who has been named assistant director of operations, 4505th Air Refueling Wing.

Navy Revises Captain Continuation Plan

The Navy has modified its original plan setting up captain continuation zones in Fiscal Years 1961-63.

The change arises from the fact that vacancies in four-stripe rank have occurred earlier than initially anticipated, the Navy said. Purpose of the revised plan is to distribute noncontinuation losses more evenly among the affected year groups, as follows:

FY	Old Plan	New Plan
'61	Year Groups '35, '36 & '37	Year Groups '35 & '36
'62	Year Group '38 & first 1/3 of Year Group '39	Year Groups '37 & '38
'63	Remainder of Year Group '39	Year Group '39

The Navy said the continuation factor of approximately 65% will be maintained as originally planned and that no substantial change in the captain promotion zones for these years are anticipated.

Navy And Air Force Will Join 3d Army In "Lucky Echo" CPX; 64 Hqs. Participate

The fifth and largest of the Third U. S. Army directed series of "Lucky" Exercises, Lucky Echo, involving more than 5,400 military staff members and commanders, will be held at Fort Gordon, Ga., 27 and 28 February.

Except for the first of the "Lucky" exercises, held at Ft. Bragg, N. C., the other three have run annually at Ft. Gordon. Navy participation, for the first time on the "Lucky" series, along with the Air Force, and Army components assures maximum realism in staff play.

Major National Guard and Reserve Headquarters staffs from the seven Southeastern States will join active Third U. S. Army staff units for the tactical command-post type Exercise.

Third Army officials emphasize that the

exercise play is not based on any existing war plans.

The Tactical Air & Troop Carrier support units will be represented by an Exercise Staff team from the Ninth Air Force. The Atlantic Fleet will provide Naval personnel to direct naval gun-fire, support an amphibious landing, and give logistical and air support to the overall operation.

Atomic, missile, electronic and gas warfare principles will be used. Combat intelligence, civil affairs operations, and logistical support will be practiced. Army aviation will be prominently played.

Altogether commanders and staffs at 64 headquarters, ranging in size from a Field Army down to combat and support units, will take part in the Fort Gordon Exercise.

Honor Gen. Ruffner



LT. Gen. Clark L. Ruffner (left), Third U. S. Army Commander, was honored by the State of Georgia last week as Governor Ernest Vandiver (right) presented him the Georgia Distinctive Service Medal. Georgia's Adjutant General, Maj. Gen. George Hearn (center) watches as the Governor pins the medal.

General Ruffner was then presented, first to the House of Representatives, and then to the State Senators. He spoke briefly to each group, expressing appreciation for Georgia's traditional and continuing hospitality to the Army forces within the state and to Third U. S. Army Headquarters in particular.

Governor Vandiver said the event marked a singular and auspicious occasion for the State of Georgia and signaled the high esteem and appreciation of members of the legislative body for General Ruffner and his Third U. S. Army Command.

Eagles For Eight In Army S.O. 27

Eight officers have been promoted to temporary colonel, with rank from 8 February, in Army Special Orders No. 27.

Those promoted include lieutenant colonels through sequence number 170, Army Promotion List, DA Circular 624-73, 23 November 1959. They are: Allgeir, Robt M, MPC Butler, Allen S, Inf Antozzi, Wm O, QMC Kane, Charles F, Inf Besse, W E, OrdC Sheppard, H E, CmlC Blake, Wm L, Armor Walker, J H, jr, TC

44 Win Temporary Captaincies In Army

The Army has advanced 44 first lieutenants to temporary captain in Special Orders No. 25, effective 4 February.

Those promoted include officers through Sequence No. 91, Army Promotion List, and Sequence No. 3, Women's Army Corps, as listed in D/A Circular 624-64, dated 19 Aug. 1959.

They are:

Amadio, V J, SigC	Merritt, R H, CE
Baur, M E, WAC	Miller, J R, CE
Brothers, F J, SigC	Murphy, M E, WAC
Bryson, J M, OrdC	Noel, J W R, Inf
Chase, J M, Arty	Ortiz-Rivera, J, Arty
Colomb, F D, Arty	Peltier, R J, jr, SigC

Davis, C E, Arty	Powell, W C, jr, OrdC
Delesha, L L, SigC	Robbins, A W, Arty
Espantoso, A F, Inf	Ross, B E, Inf
Figuerroa-Santana, Emilio, Inf	Rutledge, L A, TC
Hilleman, T E, Arm	Sanders, E H, Arty
Holl, C F, Inf	Scholl, G W, jr, Arm
Jennings, L V, Inf	Schroeder, J T, Arm
Katsones, P G, Arty	Sigmon, M E, Arty
Landers, J Q, Arty	Spencer, F J, Inf
LaNoue, C L, QMC	Spivey, C L, TC
Lauria, V R, SigC	Terrell, L E, CE
Lieb, W D, Arty	Thomas, D E, Arty
Liston, F X, Inf	Thompson, G C, Inf
Mann, C W, Arty	Thompson, M O, Arty
McComis, J D, Arm	Walker, E B, jr, Arty
Meinke, L W, Inf	Womble, Grace, WAC

'SITTING ON A VOLCANO'

Lack of JCS Cooperation Scored By Secretary Brucker; Airlift Delays Are Major Problem

SECRETARY of the Army Wilber M. Brucker has charged that Army Chief of Staff Lyman Lemnitzer "is not getting all the cooperation he ought to get" from the other members of the Joint Chiefs of Staff.

The Army Secretary told the House Military Appropriations Subcommittee that in at least one area—strategic airlift—Army officials had waited almost two years for the JCS to make up their minds. The Joint Chiefs still have not gotten together on this matter, he said.

Mr. Brucker told the committee, in hearings released 8 Feb., that he sent a statement of the Army's airlift requirements to the Secretary of Defense on 13 June 1958, only to have it returned with the request that it be forwarded through normal JCS channels.

On 17 June 1958, he said, the airlift requirements were submitted formally to the Joint Chiefs by the Army Chief of Staff General Maxwell D. Taylor.

In his request, General Taylor asked for enough guaranteed airlift to rapidly deploy the "spearhead elements of a 2-division force, 5,480 personnel and 7,438 short tons."

The Army has so far received no answer to this request.

"I just want to say that I am uneasy about this airlift and I am not going to sit here and quietly say nothing," Secretary Brucker declared. "I am uneasy about it and I feel that this is a major problem that General Lemnitzer has as Chief of Staff of the U. S. Army."

"As a member of the Joint Chiefs of

Staff," Secretary Brucker continued, "I have the feeling that he (General Lemnitzer) is not getting all the cooperation he ought to get and I am not under any compunction one way or another about talking about the Joint Chiefs of Staff as a corporate body. . . ."

"I am uneasy about this business," secretary Brucker said, "and I feel I am sitting here right on a volcano."

"Others in the Joint Chiefs of Staff may feel that this is something that can be abided from time to time, but this is something we ought to meet," Secretary Brucker concluded.

Army Promotes 10 To CWO-4 And CWO-3

The Army, in Special Orders 26, has advanced three CWO-3's and seven CWO-2's to the next higher temporary paygrades, effective 5 February.

Those promoted include officers through Sequence Nos. 283 and 861 in D/A Circular 624-54, dated 2 June 1959. They are:

CWO-4	
Meredith, L B, jr, AGC	Sidenstricker, H J, AGC
Pratt, Owen W, TC	
CWO-3	
Barr, H M, AGC	May, G A, OrdC
Bogosewski, Z, AGC	Meredith, A R, OrdC
Dilts, M L, MPC	Skinner, Leo, SigC
Forrester, J L, SigC	

Col. Mangold To Iran

Col. Harold B. Mangold, Chief of Staff of the XIV U.S. Army Corps, Minneapolis, Minn., will depart shortly for Iran. He will be assigned to the Army Mission Headquarters, Military Assistant Advisory Group, Iran, as Chief of a Field Training Team.

Col. Ellis Info Officer

Lt. Col. Thurman L. Ellis has been assigned to Headquarters, 2d Logistical Command at Ft. Ord, Calif., as the information officer. He replaces Capt. Wilson Landry, now assigned to the unit's G-1 section.

Colonel Ellis resides with his wife, Pauline, and two children at 1872 Carson Street, Seaside, Calif.

Korea Changes Set, Four Generals Shifted

The following four Army brigadier generals will be transferred to new assignments either to or from Korea in the late spring and early summer.

Brig. Gen. Dwight B. Johnson, Artillery Commander, 1st Cavalry Division, Korea, has been assigned as Deputy Commander, Field Command, Defense Atomic Support Agency, Sandia Base, N. Mex. reporting 1 July.

Brig. Gen. Carl Darnell, jr., Deputy Director, Office of Special Weapons Development, U. S. Continental Army Command, with station at Ft. Bliss, Tex., will succeed General Johnson as Artillery Commander, 1st Cavalry Division, Korea, in May.

Brig. Gen. Theodore J. Conway, Senior Advisor to the First Republic of Korea Army, will join the 82d Airborne Division, Ft. Bragg, N. C., in July.

Brig. Gen. Harvey J. Jablonsky, Assistant Division Commander, 82d Airborne Division, Ft. Bragg, will be assigned to the Eighth Army, Korea, in June.

Twenty Make L/Col. In Army Orders 28

The Army, in Special Orders No. 28, has promoted the following 20 majors to temporary lieutenant colonel. They will rank from 9 February.

Baatz, David C, SigC	Langland, L Q, Inf
Bader, F A, CmlC	LeFleur, W D, OrdC
Bright, Chas W, Arty	Paulmann, E, SigC
Burton, Wilfred C, SS	Peterson, Chas, Inf
Corder, Willis C, CE	Riffe, James L, Inf
Farnsworth, F A, Arty	Sinclair, E M, Arty
Francis, M E, CE	Tuliszewski, V J, Arty
Green, James A, SigC	Walton, C R, jr, Arty
Howard, Chas R, Inf	Yates, Eames L, Inf
Kennedy, S Y, jr, Arm	Yount, H W, OrdC

Completes 35 Years



RETIRING after 35 years with the 100th Armored (Essex Troop) Cavalry Regiment of the New Jersey National Guard, Col. Francis J. Skidmore (right) is presented with a silver service by Maj. Gen. Donald W. McGowan, Chief of the National Guard Bureau, Washington, D. C.

The Service was given to Colonel Skidmore, Regimental Commander since 1952, on behalf of the officers of the regiment. Colonel Skidmore, who served with the Regiment during WWII, first joined it as an enlisted man in 1924 and was commissioned in 1936. General McGowan commanded the regiment in Europe during WWII.

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Army Orders

from page 2—

Walton, Robert L, Wash, DC, to Korea.
Lewnes, Neal W, Carlisle Bks, to Germany.
Kimball, Curtis Y, Ft Monroe, to USA Arc-
de Test Bd, Ft Greely.

To Stu Det USA Elm NWC, Ft McNair
Anderson, Ben L, Ft Riley.
Blackburn, Donald D, Ft Bragg.
Blanchard, George S, Ft Bragg.
Brunsvold, Rudolph K, Wash, DC.
Comes, Lloyd H, Ft Bragg.
Hutchinson, William S, Jr, Arlington, Va.
Wellems, Edward N, Ft Bragg.
Wendt, Walter W, Wash, DC.
Wright, John M, Jr, Wash, DC.

Lt Colonel

Kerr, Richard L, Heidelberg, Germany, to
Stu Det Hq Second USA, Ft Meade, w/sta
USMC Sch, Quantico, Va.
Barrios, Willie J, Ft Rucker, to Hq USCON-
ARC, Ft Monroe, w/sta Trans Mat Comd,
St Louis, Mo.
Wilson, David J, Ft Monroe, to USA AD-
GRU Korea, Yongsan.
Marsh, Robert D, Ft Hood, to USA Elm
JUSMMAT, Ankara, Turkey.
Hambrick, William R, Aberdeen Pr Gr, to
USA Elm MAAG, Vietnam, Saigon.
Ramsey, David L, Ft Monroe, to France.

To Stu Det USA Elm NWC, Ft McNair
Brenzweig, Marvin J, West Point.
Morton, George C, Maxwell AFB.
Black, Harold, Wash, DC.

To Hq USARCIB, Ft Amador, CZ

Bibby, William L, Wash, DC.
Parrish, Charles P, Wash, DC.

To Germany

Quig, Clayton A, Ft Benning.
Nair, John E, Jr, Ft Jackson.

Major

Donovan, Thomas W, Verona, Italy, to 101st
Abn Div, Ft Campbell.
Schwartz, Robert L, Minneapolis, to USAR-
CARIB (Panama).
Callagy, Thomas A, Ft Belvoir, to USA Elm
MAAG, Germany, Bonn.
Riek, Justus R, Wash, DC, to USA Elm
MAAG, Vietnam, Saigon.
Sproul, Donald N, Ft Campbell, to USA Elm
JUSMAG, Thailand, Bangkok.
Martin, Robert R, Martin, Tenn, to Germany.
La Bozette, William C, Ft Meade, to Korea.

To 1st Inf Div, Ft Riley

Chisholm, William G, Tucson, Ariz.
McNary, Quentin L, Murfreesboro, Tenn.
Smeds, Erling T, Opelika, Ala.

Captain

Reynolds, John W, Athens, Ga, to 1st Inf
Div, Ft Riley.
Mastoris, William, Jr, Ft Campbell, to Stu
Det USACGSC, Ft Leavenworth, w/sta In-
dian Def Svc Staff College, Wellington Nil-
giris, South India.
Wynn, Ellison C, Ft Hood, to Korea.
Anderson, Richard C, Ft Jackson, to France.

1st Lieutenant

Pelton, Milton K, Ft Benning, to Hq USA
East & Vis Actv, Pacific, Okinawa, Ryu-
kyus Is.

Bent, David A, Ft Lewis, to USARAL.

To Korea

From Ft Benning:

Colan, Joseph G Bisson, Robert
Whitt, Samuel T

To Hawaii

Correll, Otmer R, Ft Ord.

Harvey, Philip J, Ft Ord.

Johnson, Jerome G, Ft Dix.

To Germany

Wilson, Nicholas B, Ft Campbell.

Dalziel, Gary W, Ft Ord.

Hickey, Edward I, Ft Campbell.

From Ft Benning:

Denner, Thomas A Houser, H P, 3d

Alexander, Gerald P Pearce, Kenneth W

From Ft Bragg:

Enfield, Norman R McDonald, John M

From Ft Jackson:

Carrison, Bert F Kammer, Herman C

Cuglielmo, E M, Jr

To USARCIB (Panama)

Landrum, Howard G, Ft Carson.

Lowe, James L, Ft Jackson.

Villarreal, Julian, Jr, Ft Knox.

2d Lieutenant

Clemens, James J, San Francisco, to 13th US
ASA Fld Sta, Harrogate, England.

Gregory, Richard M, Ft Carson, to Hq USA
East & Vis Actv, Pacific, Okinawa,
Ryukyus Is.

Widick, James L, Ft Benning, to Germany.

ARMOR—

Lt Colonel

Tirey, James H, Ft Monroe, to USA Elm

MAAG, Taiwan, Taipei.

Major

Rosa, William E, Wash, DC, to Hawaii.

1st Lieutenant

Putnam, Earl L, Ft Ord, to 6th Armd Cav

Regt, Ft Knox.

Nelson, Louis, Ft Benning, to 3d Armd Cav

Regt, Ft Meade.

2d Lieutenant

Dirgins, Richard J, Ft Riley, to Germany.

To Korea

Blumenstock, Theodore, Ft Carson.

Martin, Thomas L, Ft Knox.

ARTILLERY—

Colonel

Skinrood, Norman A, Wash, DC, to USA Elm

Hq AFSE, Naples, Italy.

Gall, William O, Carlisle Bks, Pa, to Korea.

To Stu Det USAWC, Carlisle Bks, Pa

Coates, Donald L, Ft Monroe.

Dougan, Murray D, Governors Is, NY.

Hatch, Merrill G, Ft Belvoir.

Jeffries, James C, Jr, Wash, DC.

Pickard, Andrew D, Ft Holabird.

Stella, Harry A, Omaha, Nebr.

Whitmore, Stanley E, Wash, DC.

Lt Colonel

Bean, Gooding H, Athens, Ga, to Hq USAR-

PAC, Ft Shafter, TH.

Whited, Bowman T, St Louis, to Japan.

Weston, Logan E, Wash, DC, to 82d Admin

Co, Ft Bragg.

Kamp, Anthony M, Jr, Wash, DC, to USA

Elm Hq SACLANT, USN Base, Norfolk,

Va.

Spahn, Frederick C, Ft Sill, to 1st Msl Bn,

81st Arty, Ft Carson.

Kron, Jack J, Ft Sill, to Hawaii.

Lewelling, Billy R, Ft Bragg, to USARCIB

(Panama).

Guest, James W, Ft Bragg, to USA Elm

AFSC, Norfolk.

McConnell, Richard M, Wash, DC, to USA

Gar, Yuma Test Sta, Yuma, Ariz.

McFadden, Gayle W, Ft McPherson, to USA

Elm Air Force Actv, w/sta Ruislip, Eng-

land.

—Continued on page 14

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Air Force CofS Opposes Navy Carrier; Says Future Surface Ships Are "Doomed"

General Thomas D. White, Air Force Chief of Staff, is opposed to another Navy supercarrier—either conventional or atomic.

He expressed his opposition in testimony released 8 February by the House Military Appropriation Subcommittee.

Under a heavy barrage of questions, General White admitted that he believes the carrier mission could be performed better and cheaper by "another Service."



Gen. White

While the subject of the carrier was under discussion by the Joint Chiefs of Staff, he revealed, "The Navy was for it. As I recall, I was the only member of the JCS who opposed it in our meetings with the Secretary of Defense. I opposed both the nuclear and the conventional-powered carrier."

Chairman George H. Mahon (D-Tex) asked, why?

General White answered, "Because of its relative cost. I will give a general statement. I would say its relative cost compared to its capabilities in the nuclear age is too great."

The cost of the first nuclear carrier, now about half complete, is \$471.4 million.

As far as the nuclear strategic retaliatory capability of the U. S. is concerned,

the Air Force Chief of Staff said, the contribution of the carrier forces "is very, very small."

He told the committee that "almost any surface vessel is doomed in future combat," particularly as a result of air-to-surface missiles.

The "real need" of the U. S., General White said, is to keep up its "nuclear aerospace retaliatory capability. I feel the carrier contributes very, very little to that mission."

Within the priorities of the tasks the Defense Department and the Services have to accomplish, General White said, "I would prefer to see the money that must go into the carrier go on some other weapon system which I would conceive to be more important."

At the conclusion of his testimony on the carrier, General White was asked this question by Representative Jamie L. Whitten (D-Miss):

"It follows that your view primarily goes back then to the fact that the particular assignment the Navy gets for the use of the carrier, you feel either your service or some other service could, in your judgment, better perform it at less cost?"

General White's answer: "Yes."

Navy Expert Says Carrier Is Hard To Find, Harder To Hit; Shows Congress Picture To Prove The Target "Is Not There"

Are Navy carriers vulnerable to attack by missiles?

The answer to this question, involving two schools of thought, was given to Congress by General Thomas D. White (see story above), who thinks almost all future surface ships are "doomed" by air-to-surface missiles, and by Capt. Roger Mehle, Head of the Navy's Air Weapons System Analysis Staff, who says the carrier is "less vulnerable" to ballistic missiles than it was to manned aircraft, and has a "very high" level of defense against conventional air attack.

Captain Mehle used a dramatic device to point up his argument. His testimony before the House Military Appropriations Subcommittee, was released 8 February.

He told the committee "the paradox of the ballistic missile age is that forces with inherent mobility—forces that are on the move in vast ocean expanses—are in a preferred position with respect to vulnerability. In fact, the aircraft carrier has become less vulnerable to ballistic missile damage than it was to attack by manned aircraft."

Captain Mehle displayed a radarscope photograph to illustrate his point.

The "actual picture" of the radar return from the western portion of the Mediterranean "on a typical day" covered an area of about 196,000 square miles. An area, Captain Mehle pointed out, which was "uncluttered by any defense electronic countermeasures such as decoys or chaff bombs which would increase the apparent number of targets."

Displaying the picture to the committee, he said that, even under these ideal conditions, "it shows less than 25% of the total number of ships which were actually at sea in the area. In this picture are the ships of the 6th Fleet including two attack carriers. But where are they? It is impossible to pick them out."

Captain Mehle said "It is from vague

Dictionary Of Naval Ships Goes To Press

Volume 1 of an ambitious "Dictionary of American Naval Fighting Ships" has gone to press.

Purpose of the project is to gather in one place the histories of more than 10,000 ships which have served the United States since her growth to Naval leadership today. The project was undertaken in 1954 by the Naval History Division, headed by RAdm. E. M. Eller, USN-Ret.

The ship's histories have been edited by Lt. James G. Boland, USNR, and Dr. Jack Bauer, assisted by the Division's staff.

Painstaking research was required to delve into ancient records to arrange the various classifications of ships in chronological order.

Volume one, covering ships from A to B, contains appendices dealing with battleships, cruisers, submarines, submarine tenders, destroyers, and escort vessels. The appendices were compiled by Lt. (jg) Dean Allard, jr.

Volume 1 of the projected series is available from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C., for \$3.00.

Brighter Retirement For Reserve Nurses

A revision of professional qualifications for appointment in the Navy's Reserve Nurse Corps insures that all officers recommended for commissions will be able to complete 20 years active service by age 55.

Under the new plan, Nurse Corps officers in the Naval Reserve will be eligible to make application for Regular Navy appointments, and if otherwise qualified, will attain full retirement benefits after serving on active duty for 20 years, including prior military service.

Initial appointments are made in the ranks of ensign through lieutenant, depending upon the age, education and professional experience of the applicant.

In the past, some officers who entered the Nurse Corps as full lieutenants were not able to earn full retirement before they reached 55.

Under the old set-up, the age requirements by rank were: ensign, 21 to 34; lieutenant (jg), 21 to 35; and, lieutenant, 21 to 40.

The new age qualifications for appointments in the various grades are: ensign, 20 to 28; lieutenant (jg), 21 to 32; and, lieutenant, 25 to 34.

The lower age requirement for appointment as ensign reflects the fact that many States have reduced the age limit for licensing from 21 to 20.

Marine Corps List

Tells Junior Officers

The Marine Corps has listed the last officers, as of 1 February, to be promoted, or for whom vacancies existed under provisions of the Officer Personnel Act of 1947, to the indicated ranks:

GRADE	PERMANENT	TEMPORARY
MajGen	Weller, Donald M.	Krulik, Victor H.
BGen (Unr)	Masters, J. M., sr.	Robertshaw, L. B.
BGen (SDG)	Cloud, George H.	John, Philip W.
Col	Churley, Robert A.	Smith, R. E., jr.
LtCol (Unr)	Hansen, Neil M.	Folton, James A.
LtCol (LDO)	Leslie, Lorne
Maj (Unr)	Krainco, Francis R.	Peterson, W. S.
Maj (LDO)	Anderson, Eugene D.
Capt (Unr)	Bonsall, William O.	Burton, John J.
Capt (LDO)	Whitley, Billy L.

Lt. Col. Sullivan Is XO

Recruit Tng. Regiment

Lt. Col. Frank E. Sullivan has relinquished command of the 2d Recruit Training Battalion, Marine Corps Recruit Depot, Parris Is., S. C., to Lt. Col. John P. Lanigan who reported from the Third Marine Air Wing, Japan.

Colonel Sullivan has assumed duties as Executive Officer of the Recruit Training Regiment.

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William B. Franke—Secretary of the Navy

Fred A. Bantz—Under Secretary of the Navy

James H. Wakelin, Jr.—Assistant Secretary (Research & Development)

Cecil P. Milne—Assistant Secretary (Material)

Richard Jackson—Assistant Secretary (Manpower, Personnel & Reserve Forces)

Admiral Arleigh A. Burke—Chief of Naval Operations

CAPTAIN

Barker, Irvin R. (DC), 1stMarDiv (Reinf) FMF; to NAS Olathe.

Borden, John C, NavSec USAF Mission to Uruguay Montevideo; to AFSC NorVa Staff.

Derlekson, Richard B. Jr, ComPhibRon Eight; to Staff SACEur.

Dixon, Duncan P. Jr, ACofS for Operations and Tng ComServLant; to CofS and Alde ComNavB NorVa.

Ellis, William A, NSA Fort George G Meade; to OpNav.

Fike, Irwin F, ICAF WashDC; to NYNav ShipYd.

Franklin, William R, OpNav; to USNavWes Serv NavSta WashDC.

Harris, Robert E, NavInsurv NavSta Wash DC; to BuShips.

Henry, John W, BuShips; to IndMan 10ND.

Hilmar, Harold O, Staff ComServRon Six; to Resident SupShip Bay City.

Jockusch, Julius W, Jr, OpNav; to ONR Nav Dept.

Joyce, Gerald P, CO USS Kawishwi; to Staff ComServPac.

McEachren, John H (DC), NAS Barber's Pt Oahu; to NAS Noris SDiego.

Parker, Oscar B, ScfyOff NATO Sidewinder Program Bonn; to Same Off with Addu as OIC.

Tatom, John F, OpNav; to Dor USNavWes Sta WashDC.

Waring, Elmer S. Jr, Staff CNATra NAS Pncla; to Staff SACLant.

Welsert, William E, NavInsurv NavSta Wash DC; to BuShips.

White, Robert H, ComDesDiv 32; to CO NavCommSta Pearl Harbor.

Wible, John R (DC), NAS Pncla; to NAS Barber's Pt.

Young, Robert B (DC), NAS Olathe; to XO NavDentalClinic Guam.

COMMANDER

Brald, Herbert C, USS LOS ANGELES; to OPNAV.

Burkhart, Calvin, OFC OF BUWEPREP NAVINDRESAIRPLANT DAL; to USS FRANKLIN D ROOSEVELT.

—Continued on page 17

Navy Permits Wear Of Synthetic Sword Belts; SCUBA Divers Get Special Mark

Use of a synthetic sword belt and scabbard and adoption of a distinguished mark for SCUBA divers (self-contained, underwater breathing apparatus) are among six changes to Navy Uniform Regulations approved by Assistant Navy Secretary Richard Jackson.

Synthetic Sword Belt and Scabbard—The officer's sword belt and scabbard may be made of either plain or black grain leather or a synthetic material that presents the same appearance. There are a number of simulated leathers available on the commercial markets. The optional

synthetic gear costs about \$1.50 to \$2.00 less than leather.

Distinguishing Mark for SCUBA Divers—The new mark consists of a diver's helmet and breastplate with the letters "SD" centered on the breastplate.

Rating Badge for Blue Working Jacket—A cloth badge now is permitted to be worn on the blue working jacket by all rated enlisted men. Previously, the device was authorized only for chief petty officers.

Unit Identifying Marks—The sleeve

mark has been authorized for men assigned to Cargo Handling Battalions and those assigned to Commander, U. S. Naval Support Force, Antarctica. The Unit Identifying Mark formerly was known as the Ship's Name Sleeve Mark but was changed so that men assigned to Fleet support units also be identified.

Shoulder Sleeve Insignia for Officer Candidates—The OC and ROC shoulder sleeve patch currently worn by officer candidates and Reserve officer candidates on the left sleeve of their jumpers and officer-type uniforms, now is authorized

for wear on peacoats, overcoats and raincoats. When the latter garments are worn, without a patch, it is impossible to distinguish an officer candidate from an enlisted man.

Ownership Markings—Use of a stamp as well as a stencil is authorized for marking items of clothing. Present Uniform Regulations limit men to marking their clothing with a stencil. The stamp method is faster and neater. EM who desire to use a stamp are required to purchase them since they will not be stocked in the supply system.

U. S. MARINE CORPS ORDERS

Commandant—General David M. Shoup
Assistant Commandant—Lt. Gen. John C. Munn
Chief of Staff—Lt. Gen. Wallace M. Greene, jr.

BRIG GENERAL

Hittle, James D, HqMC, to Ofc Legislative Affairs, Dept of Def, Pentagon.

COLONEL

Murray, James C, Jr, MCS, Quant, to COM NavFor, Philippines.

LT COLONEL

Dair, William G, Jr, Air FMFPac, to HqMC. Sitter, Carl L, Latimer, England, to CINC NEML, for Du w/NavSecGruDet.

MAJOR

Dixon, Frank L, Jr, ForTrps FMFLant, to Mississippi Southern College, Hattiesburg, Miss.
Hanes, John V, 2d MAW, to NAVSec MAAG, Tsuying, Taiwan.
Shupe, Arthur F, 1st MAW, to Univ of So Calif, LosA.
Whitlock, Roy B, Cp S D Butler, Okinawa, to MCS, Quant.

To MCS, Quant

Gore, Robert F, NAS Mfs.
Herrera, Wilfred, NAS Pncla.
Morgan, Donald C, Air FMFPac.

To VMO-6

Schneider, Donald E, 1st MAW.
Skinner, Richard E, 1st MAW.

1ST LIEUTENANT

McDuff, Clinton D, 1st MAW, to VMO-6.
Robinson, Chaifant D, 3d Mar Div, to NROTC Unit, Princeton Univ, Princeton, NJ.
Van Gorder, Jan H, 3d Mar Div, to USA Arty & Missile Scol, Ft Sill.
Veno, Stephen J, MCS, Quant, to ForTrps FMFLant.
Foster, Roger G, MCS, Quant, to 1st Mar Brig.

Wallace, John S, Jr, MCS, Quant, to CNAV ANTRA.
Harper, Richard O, 3d Mar Div, to CNABA TRA.

Jones, Edward E, 3d Mar Div, to MCRD PISC.

Amidon, Alton L, 1st Mar Div, to USA EngtsScol, Ft Belvoir.

Shriver, George M, 2d, to USS Randolph, to MB NB NorVa.

McGowan, Michael N, MSC, Quant, to 1st MAW.

To 1st MAR Div

From MCS, Quant:
Gould, Francis L, Parttridge, G R, Jr

To 2d MAW

From Kingsville, Tex:
Lounsbury, John W, Milliron, W A, Jr

To 3d MAW

From MCS, Quant:
Angerer, Donald L, Walsh, John V
Summers, George M

—Continued on page 21

Retires After 19 Yrs. At Camp Lejeune

The first officer to report to Camp Lejeune, Lt. Col. Hubert G. Bozarth, was retired in ceremonies held there last week.

Colonel Bozarth was relieved as Base Maintenance officer, a post he has held since coming to Camp Lejeune, by Col. Robert L. Smith, formerly of the 3d Division's engineering staff.

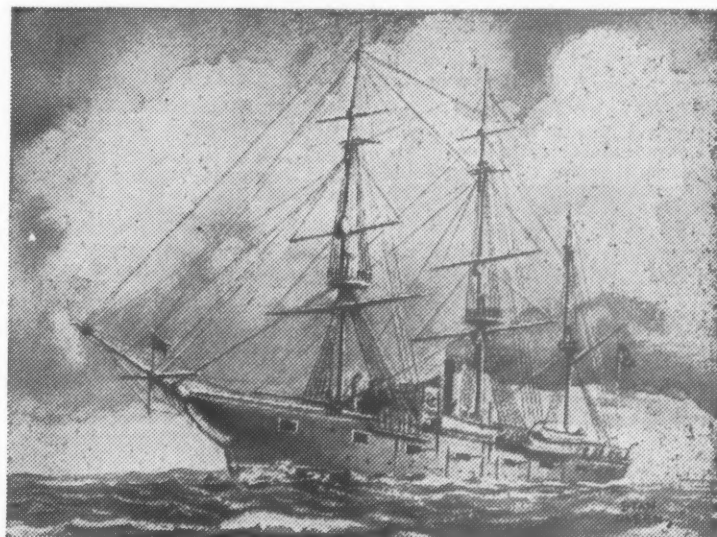
In his 19 years at Camp Lejeune, Col. Bozarth has amassed one of the finest industrial safety records compiled at any post.

He also inaugurated the base's fish and wildlife program in addition to the present conservation system, one of the oldest in the government service.

Col. Bozarth is married to the former Belya Gilikin, whom he met while she was working for him. They have two children, Richard, 17 and Glenn, 13 years of age. They will make their home in the Country Club Estates of Jacksonville.

CAPTAIN

Glidden, Thomas T, FMFLant, to USS Newport.
Van Winkle, Archie, USS Newport News, to NROTC Unit, Univ of Wash, Seattle.
Widick, Lester D, Jr, ForTrps FMFLant, to 1st MAW.
Kelly, Edward L, Jr, 3d MAW, to MCAS El Toro.
Anderson, Hugh L, MCB CamLej, to 2d Mar Div.
Austin, Harold M, Jr, NAS CorpC, to NATTU NAS, Pncla.
Diaz, Odillo M, El Toro, to NROTC Unit, Univ of So Calif.
Gallagher, John T, 3d MAW, to 1st MAW.
Welmer, Samuel A, Jr, 2d Mar Div, to MCB CamLej.
Bay, William R, 2d MAW, to Army IntelCen, Ft Holabird.
Berry, Norman, 2d MAW, to Fld Com DASA Sandia Base, NMex.
Blaschoff, Joseph J, 2d MAW, to Fld Comd DASA Sandia Base, Albuquerque, NMex.
Gegenstein, Edward E, Jr, 2d MAW, to MAD NATTC Mfs.
Herber, John A, 3d MAW, to NAS NorVa.
Modzelewski, Edward R, 1st MAW, to NAS NorVa.



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Force for Manpower Personnel and Reserve.

It calls for the transfer of responsibility for inspection and training Air Force Reserve and Air National Guard units under Continental Air Command to major operational Air Force commands such as TAC, MATS, ADC and AMC.

Continental Air Command, headed by Lt. Gen. William Hall, will continue to provide administrative, budget and logistic support for the Air Force Reserve. It will also be responsible for recruiting, processing and assigning Air Force Reservists.

CONAC's three numbered Air Forces (the 4th, 10th, and 14th) will be replaced with six air divisions, with the Reservists themselves taking on a larger share of the administration.

Representative Rivers, Chairman of the House Armed Services Subcommittee on Reserve Affairs, called upon the Air Force to postpone implementation of the plan, which had been scheduled for completion by the end of this calendar year.

The "surreptitious manner in which the plan was conceived and announced," Representative Rivers said, left the impression that it was "another calculated effort to downgrade the significance of the Air Force Reserve program."

The South Carolina legislator told THE JOURNAL that his investigation would cover not only the Air Force Reserve Program, but the entire Army, Navy, and Marine Corps Reserve functions, and the National Guard as well. It will begin, he said, sometime after 23 February.

ROA had previously gone on record as opposing any change in the Conti-

mental Air Command's assignment of training the Air Force Reserves. At the Washington Conference, it set up a committee to study the new plan and come up with a set of final conclusions, although no formal action was taken at the meeting to oppose the change.

The National Guard Association has taken no position on the plan, but has been represented by Air Force officials as being favorable to it.

Under the new program, the Continental Air Command will continue to train Reservists who cannot be fitted into units, but who are needed to fill Air Force War plan requirements.

As of 31 December there were 275,000 men in the Air Force's Ready Reserve, 297,000 in the Standby Reserve, and 13,000 in the Retired Reserve. Approximately 72,000 Air National Guardsmen were included in the total number of Air Force Ready Reservists.

Air Force officials denied that the new Reserve and Air National Guard organization would result in fewer Reservists in the program. They said that it is even possible for more Reservists to be added to the program by virtue of bringing in new Reserve roles and missions.

These new roles, so-called "residual" and "recovery" missions, are considered for possible assignment to the Reserves in order to bolster the Air Force's post-attack recovery capability.

They include damage repair, mobile communications, storage of war readiness materiel, decontamination, and operation of emergency recovery airfields.

Ready Reservists Will Be Screened

The Armed Forces have been ordered to conduct a special screening operation to list Ready Reservists who hold "key" Federal positions which would make them unavailable for active duty in a National emergency.

Assistant Defense Secretary Charles C. Finucane has directed that Reserve Status Reports on key federal employees be completed by 1 July. After that date, Federal Agencies will be responsible for maintaining the reports on a current basis.

A final determination of the Reservist's status will be made by the Secretary of the Military Department concerned.

ARDC Sets Up New Research Division Under B/G Holzman; Col. Gagge AFOSR Chief

Lt. Gen. B. A. Schriever, Commander of the Air Research and Development Command (ARDC), has announced the establishment of the Air Force Research Division (AFRD), with Brig. Gen. B. G. Holzman as commander.

General Holzman has been commander of ARDC's Air Force Office of Scientific Research (AFOSR) which will become a part of AFRD.

Other elements of ARDC which will be incorporated into the Research Division include: The Aeronautical Research Laboratory, Wright-Patterson AFB, Dayton, Ohio, and the European Office of ARDC at Brussels, Belgium, which has operated as a detachment of Headquarters ARDC. Headquarters for the new Division will be in Washington, D. C.

AFRD will have the responsibility for

the ARDC basic research program. Through its sponsorship of research programs with educational institutions, non-profit and industrial research organizations, the new division will work closely with the other major ARDC divisions in providing the basic scientific knowledge for future weapon systems and support systems.

Col. A. P. Gagge, who has been vice commander of AFOSR under General Holzman, will now command that organization.

Funds allotted for basic research by the Air Force have more than doubled in the past five years, and further increases are planned for the future.

The merging of the scientific research efforts into one Research Division will permit closer collaboration among Air Force research elements and will greatly accelerate translation of research findings into the Air Force's offensive and defensive strength. AFOSR will continue to operate under the same policies and procedures for accomplishing basic research which have characterized its relationship with universities, non-profit research institutions and industrial contractors.



Brig. Gen. Holzman

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Joseph V. Charyk—Under Secretary of the Air Force
Philip B. Taylor—Assistant Secretary (Material)
Lyle S. Garlock—Assistant Secretary (Financial Management)
—Assistant Secretary (Research & Development)
General Thomas D. White—Chief of Staff

LIEUTENANT GENERAL

Asensio, (Maj Gen) Manuel J, fr Wash, DC & dy as The AFCompt, & ret, eff 31 Jan, as Lt Gen.

MAJOR GENERAL

Blanchard, William H, Hq SAC, Offutt AFB, is rel fr dy as Dir/Plans, SAC; asg dy as Dir/Oprs, SAC, eff 21 Jan.
Edmundson, James V, fr Offutt AFB; to Ofc, DCS/P, Hq USAF, Wash, DC, for dy as Asst to DCS/P, NLT 15 Feb.

BRIGADIER GENERAL

McGuire, (Col) George F, fr Travis AFB, & ret as Brig Gen, eff 15 Feb.

COLONEL

Kinard, Clunton R, Wash, DC, to Hq MATS, Scott AFB.
Wallis, Howard G, Hill AFB, to AMC Electron Sys Cen, AMC, L G Hanscom Fd, Mass.

Col. Daly First C. O. Of New Air Base Wing

Col. William T. Daly, Vice Chief of Staff, U. S. Air Forces in Europe, has been named as the first commander of the new 4500th Air Base Wing, Headquarters TAC. He will assume command in March.

Colonel Daly succeeds Col. Gene H. Tibbets, present commander of the 836th Air Base Group, which is to be elevated to wing status. Colonel Tibbets will be reassigned to TAC headquarters.

LIEUTENANT COLONEL

Kenney, Paul H, Wash, DC, to 1127 USAF Fld Acty Gp, Hq Comd USAF, Ft Belvoir, Va.

MAJOR

Presti, Carlo F, Wash, DC, to Hq 587th Tac Mal Gp, USAFE, APO 130, NY.
Keller, Robert C, MacDill AFB, to Hq USAF, Wash, DC.

CAPTAIN

Gard, Russel W, Olmsted AFB, to Det 1, 2702d Expl Ord Disposal Sq, AMC, Tinker AFB.

Fr MacDill AFB to Sta Indicated

Lewis, Vernon L, 871st Acft Contr & Wng Sq, USAFE, APO 233, NY.
McCormick, Charles F, Hq 10th Tac Recon Wg, SAC, APO 238, NY.

1ST LIEUTENANT

McDougald, Donald H, Brookley AFB, to 2845th USAF, AMC, Griffis AFB.

Fr Moody AFB to Sta Indicated

Thiel, Norman G, 2640th Pit Tng Wg, ATC, Laredo AFB.
Ladd, Robert L, 3560th Pit Tng Wg, ATC, Wedd AFB.
Brown, Gerald T, 3615th Pit Tng Wg, ATC, Craig AFB.

Fr MacDill AFB to Sta Indicated

Levitt, Daniel F, Hq 4138th Strat Wg, SAC, Turner AFB.
Cubeta, Peter R, Hq 3266th Pit Tng Gp, ATC, Bainbridge AB.

RETIRED—

Colonel

Hartwig, Herbert C Shumsky, Albert A Lt Colonel

McCourt, Clarence E Rice, Charles S Manlon, Thomas F, Jr Marshall, Jack B Saad, John I

Major

Aubrey, Lawrence E, as Lt Col.
Dawkins, Cecil H.
Devore, Nicholas, Jr.
MacDonald, James W.
O'Black, Frank R, Jr, as Lt Col.
Campbell, John E, as Lt Col.
Oxman, Jaffee V.

—Continued on page 16

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President Nominates 71 Air Force Officers For Perm. Stars, 67 For Temp. M/G And B/G

The President on 4 February nominated the following officers for appointment to the permanent and temporary grades indicated:

TO BE PERMANENT MAJOR GENERAL, USAF

(All are temporary Major Generals)

Landry, Robert B., Asst. Dep. CofS, Personnel.
Eaton, Robert E. L., Asst. CofS for Reserve Forces.
Montgomery, Richard M., Asst. Vice CofS.
Alness, Harvey, T., Asst. CofS, Hqs NORAD, Ent AFB, Colo.
Waldron, Russell L., Commander, Western Transport Air Force, MATS, Travis AFB, Calif.
Purvey, Romulus W., Dep. CofS, Operations, ADC, Ent AFB, Colo.
Moorman, Thomas S., Jr., Commander, Thirteenth AF, PACAF.
Webster, Benjamin J., Director of Programs, DCS/P&P.
Davis, Leighton L., Asst. Dep. CofS, Development.
Walsh, James H., Asst. CofS, Intelligence.
Musgrave, Thomas C., Jr., Dir. of Legislative Liaison, OSAF.
Hudnell, William T., Director, Maintenance Engineering, AMC, Wright-Patterson AFB, Ohio.
Estes, Howell M., Jr., Asst. Dep. CofS, Operations.
Nazzaro, Joseph J., Dep. Commander, Fifteenth Air Force, SAC, March AFB, Calif.
Holloway, Bruce K., Director of Operational Requirements, DCS/O.
Preston, Maurice A., Director of Operations, DCS/O.
Ryan, John D., Director of Materiel, SAC, Offutt AFB, Nebr.
Blanchard, William H., Director of Opns, SAC, Offutt AFB, Nebr.
Ferguson, James, Vice Commander, ARDC, Andrews AFB, Washington 25, D. C.
Wade, David, Commander, 1st Missile Division, SAC, Vandenberg AFB, Calif.
Gerrity, Thomas P., Commander, Oklahoma City Air Materiel Area, AMC, Tinker AFB, Okla.

TO BE PERMANENT BRIGADIER GENERAL

Hardy, Brig. Gen. Donald L., Director of Plans and Programming, AMC, Wright-Patterson AFB, Ohio.
Pottenger, Brig. Gen. Charles H., Commander, Amarillo Technical Tng Center, ATC, Amarillo AFB, Tex.
Goeway, Brig. Gen. Robert J., Commander, 1607th Air Transport Wg (Heavy), MATS, Dover AFB, Delaware.
Porter, Maj. Gen. Harry C., Commander, Air Materiel Force, Pacific Area, AMC.
Jensen, Maj. Gen. James C., Commander, 30th Air Division (SAGE), ADC, Traux Field, Wis.
Caldara, Maj. Gen. Joseph D. C., Deputy Inspector General for Safety, Office of the Inspector General.
Smith, Maj. Gen. Dale O., Commander, 313th Air Div, PACAF.
Griffith, Brig. Gen. Perry B., Commander, 836th Air Div, TAC, Langley AFB, Va.
Ligon, Maj. Gen. Elvin S., Jr., Director of Personnel Planning, DCS/P.
Stillman, Maj. Gen. Robert M., Commander, Lackland Military Tng Center, ATC, Lackland AFB, Tex.
Hooks, Maj. Gen. Daniel E., Commander, AF Missile Development Center, ARDC, Holloman AFB, New Mexico.
Davis, Maj. Gen. Benjamin O., Jr., Deputy CofS, Operations, USAF, APO 633, New York.
Clark, Maj. Gen. Albert P., Director of Military Personnel, DCS/P.
Rogers, Maj. Gen. Turner C., Chief, Military Assistance Advisory Group, Japan, APO 95, San Francisco, Calif.
Shores, Maj. Gen. Von R., Commander, 25th Air Div (SAGE), ADC, McChord AFB, Wash.
Mundell, Maj. Gen. Lewis L., Commander, San Antonio Air Materiel Area, AMC, Kelly AFB, Texas.

Reynolds, Maj. Gen. John M., Commander, 3d Air Div., SAC, APO 334, San Francisco, Calif.

Agee, Maj. Gen. Sam W., Commander, 26th Air Div (SAGE), ADC, Hancock Field, New York.

Sanborn, Brig. Gen. Kenneth O., Commander, 42d Air Div, SAC, McConnell AFB, Kansas.

Ostrander, Maj. Gen. Don R., Director, Office of Launch Vehicle Programs, National Aeronautics and Space Administration, Washington, D. C.

Friedman, Maj. Gen. Robert J., Director of Budget, Comptroller of the Air Force.

Breitweiser, Maj. Gen. Robert A., Director for Intelligence, The Joint Staff, JCS.

Spicer, Brig. Gen. Prescott M., Commander, Los Angeles Air Defense Sector, ADC, Norton AFB, Calif.

Dean, Maj. Gen. Fred M., Commander, Air Task Force 13, Provisional, PACAF, APO 63, San Francisco, Calif.

Davis, Maj. Gen. Waymond A., Director of Procurement & Production, AMC, Wright-Patterson AFB, Ohio.

Cooper, Maj. Gen. Marcus F., Assistant Administrator, Office of Plans & Requirements, Federal Aviation Agency, Washington, D. C.

Childre, Maj. Gen. Cecil H., Deputy for Operations, TAC, Langley AFB, Va.

Maddux, Maj. Gen. Sam, Jr., Senior Member, United Nations Comd Military Armistice Commission.

Rouse, Maj. Gen. Frank E., Deputy for Materiel, ADC, Ent AFB, Colo.

Wheless, Maj. Gen. Hewitt T., Director of Plans, DCS/P&P, USAF.

Birchard, Brig. Gen. Glen R., Deputy Chief of Staff, Operations, MATS, Scott AFB, Ill.

Sullivan, Brig. Gen. Henry R., Jr., Commandant of Cadets, United States AF Academy, Colo.

Martin, Maj. Gen. William K., Director of Personnel, SAC, Offutt AFB, Nebr.

Viccello, Maj. Gen. Henry, Commander, Nineteenth AF, TAC, Seymour-Johnson AFB, North Carolina.

Ritland, Maj. Gen. Osmond J., Commander, AF Ballistic Missile Div., ARDC, Los Angeles, Calif.

Coupland, Brig. Gen. Don, Commander, AMC Ballistic Missiles Center, AMC, Inglewood, Calif.

Warren, Maj. Gen. Beverly H., Commander, AMC Aeronautical Systems Center, AMC, Wright-Patterson AFB, Ohio.

Compton, Maj. Gen. Keith K., Deputy Director of Operations, SAC, Offutt AFB, Nebr.

Hester, Brig. Gen. John K., Deputy Director for Operational Forces, DCS/O.

Holzapple, Brig. Gen. Joseph R., Director of Systems Management, WADD, ARDC, Wright-Patterson AFB, Ohio.

Burchinal, Maj. Gen. David A., Deputy Director, J-3 (Operations), The Joint Staff, JCS.

Whisenand, Maj. Gen. James F., Special Assistant to Chairman, Joint Chief of Staff.

Martin, Maj. Gen. Glen W., Deputy Director of Plans, DCS/P&P.

Eisenhart, Brig. Gen. Charles M., Chief, Operations Plans Div., SAC, Offutt AFB, Nebr.

Momyer, Maj. Gen. William W., Deputy for Plans, TAC, Langley AFB, Va.

Preston, Brig. Gen. Joseph J., Commander, 72d Bomb Wg. (Heavy), SAC, APO 845, New York.

Twitchell, Maj. Gen. Harold H., Surgeon, USAF, APO 633, New York.

White, Brig. Gen. Major S., Surgeon, ATC, Randolph AFB, Tex.

Bohannon, Brig. Gen. Richard L., Command Surgeon, PACAF, APO 953, San Francisco, Calif.

Cullen, Brig. Gen. John K., Deputy Surgeon General.

TO BE TEMPORARY MAJOR GENERAL

Graul, Donald P., Commander, Rome Air Development Center, ARDC, Griffiss AFB, N. Y.

Hardy, Donald L., Director of Plans & Programming, AMC, Wright-Patterson AFB, Ohio.

Pottenger, Charles H., Commander, Amarillo Technical Tng. Center, ATC, Amarillo AFB, Tex.

Griffith, Perry B., Commander, 836th Air Division, TAC, Langley AFB, Va.

White, Major S., Surgeon, Air Training Command, Randolph AFB, Texas.

Cullen, John K., Deputy Surgeon General.

Sanborn, Kenneth O., Commander, 42d Air Division, SAC, McConnell AFB, Kansas.

Spicer, Prescott M., Commander, Los Angeles Air Defense Sector, ADC, Norton AFB, Calif.

Birchard, Glen R., DCS/Operations, MATS, Scott AFB, Ill.

Sullivan, Henry R., Jr., Commandant of Cadets, USAF Academy, Colo.

Hester, John K., Deputy Director for Operational Forces, DCS/O.

Holzapple, Joseph R., Director of Systems Management, Wright Air Development Div., ARDC, Wright-Patterson AFB, Ohio.

Eisenhart, Charles M., Chief, Operations Plans Division, Directorate of Operations, SAC, Offutt AFB, Nebr.

Preston, Joseph J., Commander, 72d Bomb Wing (Heavy), SAC.

Kingsbury, William C., Commander, 47th Air Div., SAC, Castle AFB, Calif.

Rodenhauser, Jermaln F., Commander, Air Force Technical Applications Center, Washington, D. C.

Gent, Thomas J., Jr., Director, Manpower & Organization, DCS/O.

Root, Charles B., Commander, Rome Air Materiel Area, AMC, Griffiss AFB, N. Y.

Miller, Frederic H., Director, European Region, Office, Secretary of Defense (ISA), Washington, D. C.

Cecil, Chester W., Assistant Chief of Staff, Comptroller, PACAF, APO 953, San Francisco, Calif.

Keese, William B., Deputy Director of Military Personnel, DCS/P.

Agan, Arthur C., Jr., Deputy for Plans, ADC, Ent AFB, Colo.

Wilson, James W., IG, SAC, Offutt AFB, Nebr.

TO BE TEMPORARY BRIGADIER GENERAL

Cannon, Andrew B., Commander, 63d Troop Carrier Wg., MATS, Donaldson AFB, S. C.

Henley, Franklin S., Commander, 1608th Air Transport Wg., MATS, Charleston AFB, S. C.

Jennings, Aubrey L., Director of Professional Services, Office of the Surgeon General.

Hull, Harris B., Asst. Chief of Staff, Intelligence, PACAF APO 953, San Francisco, Calif.

Strauss, Robert H., Commander, 806th Air Div, SAC, Chennault AFB, La.

Strickland, Benjamin A., Jr., Command Surgeon, ADC, Ent AFB, Colo.

Forman, Robert D., Commander, 1611th Air Transport Wg., MATS, McGuire AFB, N. J.

Rockwood, Ralph C., Commander, Southern Air Materiel Area, Pacific, AMC, APO 74, San Francisco, Calif.

Fellows, Richard W., Deputy Director, Programs, DCS/P&P.

Herman, Robert H., Deputy Director of Supply, AMC, Wright-Patterson AFB, Ohio.

Andrews, Carl W., Director of Materiel Programs, DCS/M.

Kieffer, William B., Commander, 2d Bomb Wg. (M), SAC, Hunter AFB, Ga.

Polhamus, Douglas C., Deputy Asst. for Atomic Energy, DCS/O.

Coira, Louis E., Deputy Director, Office of Manpower Requirements & Utilizations, OSD.

Bromley, Richard F., DCS/Plans, Military Air Transport Service, Scott AFB, Ill.

Young, Charles M., DCS/Intelligence, USAF, APO 633, N. Y.

Taylor, J. Francis, Jr., Commander, European-African-Middle Eastern AACS Area, MATS, APO 633, New York.

Moore, Howard W., Commander, 816th Air Div., SAC, Altus AFB, Okla.

Curtin, Richard D., Deputy Comdr., Military Space Systems, AF Ballistic Missiles Div., ARDC, Los Angeles, Calif.

Richardson, Robert C., 3d, Chief, Long-Range Objectives Group, DCS/P&P.

Adams, Milton B., Deputy Asst. Chief of Staff, Guided Missiles.

—Continued on back page

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13 FEBRUARY 1960

"From A Strictly Military Standpoint"

Much of the confusion surrounding U. S. missile progress vis-a-vis the Soviet Union has now been erased.

In unequivocal terms, Chairman Carl Vinson (D-Ga) of the House Armed Services Committee has declared:

"There will be a missile gap."

While others have sounded the same warning, their views too often have been politically suspect. No one, however, can accuse Chairman Vinson of playing politics with the Nation's security. His rigid insistence on a non-partisan approach to problems of national defense is well known and has earned him a solid reputation for fairness and objectivity. His aversion to publicity also places a high value on his statements.

In a rare public appearance 9 February, Chairman Vinson lashed (page one) the budget practices which, for the last 10 years, "have measured our military requirements in dollars." This must be stopped, he said. "Fiscal solvency is not the sole interest and final concern of the American people. The safety of our homes and our liberty and freedom are far more important to all Americans."

Once the people are fully aware of the requirements, Chairman Vinson said he is confident they will be willing to shoulder the "additional expense."

Five words stand out significantly in Chairman Vinson's plea. He says the nation must decide its defense requirements "from a strictly military standpoint."

It is obvious in many of the decisions that have been made in the past that this important consideration has not always prevailed.

Chairman Vinson has pointed up our shortcomings by citing deficiencies in the Naval shipbuilding program, in the failure "to modernize the Army with the number of weapons necessary to perform the functions that are assigned to it," in the missile-lag and cut-back B-70 program and in his assertion that the USSR is "far ahead" of the U. S. in the scientific exploration of outer space.

Unless we are prepared "to make drastic sacrifices," Chairman Vinson states, we will not be able to match Soviet missile capability in the years ahead.

These are serious charges. They are made by a leader who is privy to the most detailed Pentagon intelligence, one whose reputation and experience are unquestioned. They call for a careful reappraisal of our entire military planning.

Inter-Service-Industry Missile Cooperation

Congress and the press during the past several years have given prominent attention to inter-Service rivalries in the Nation's missile and space program. There has been, however, altogether too little public recognition of the inter-Service-Industry teamwork on high priority projects. The case of the Navy's Polaris IRBM and the Air Force's Minuteman ICBM is of particular significance in describing the concentrated exchange of information among the Services and Industry.

During an Air Force Air Research and Development Command press tour last week of Aerojet General Company facilities near Sacramento, Calif., President Dan A. Kimball, a former Secretary of the Navy, told a group of visiting newsmen how the Minuteman program has been speeded by work on the Polaris and vice versa. Dr. Ernest R. Roberts, Research and Development Manager for Aerojet's Solid Rocket Plant, told a JOURNAL representative that in his view the Polaris-Minuteman data exchange "has saved vital time and millions of dollars on both projects."

Aerojet builds the propulsion system for the Lockheed Polaris and also is responsible for major propulsion components of the Minuteman, for which Boeing Airplane Company holds the assembly and test responsibility. Mr. Kimball said that the rapid exchange of information between the Navy and Air Force solid propellant missile projects is an "outstand-

ing example" of inter-Service cooperation. Col. W. K. Ashby is the Air Force Plant Representative at the Aerojet facility, and Cdr. B. E. Hood is the Bureau of Naval Weapons Representative.

To offset the notoriety which has been given to inter-Service missile competition and to assure Congress and the American public of a balanced picture, it would be highly desirable if Secretary of Defense Gates or Dr. Herbert F. York, Director of Research and Engineering, would take advantage of an early occasion to spell out in some detail additional specifics of inter-Service-Industry cooperation in the urgent effort to save time and money in the missile-space field. Certainly, such a report would receive less in the way of headlines than accounts of inter-Service squabbles, but in the long run, the positive story of effective cooperation undoubtedly will hold the greatest meaning in the fulfillment of National Defense objectives.

READERS' VIEW HÉBERT PROPOSAL

■ It is hoped that Chairman Vinson will obtain expert testimony during hearings on the proposed legislation of the Hébert Investigations Subcommittee. Details revealed in your 23 January issue disclose dangers to efficient government as well as to armed forces morale.

This legislation would prevent the armed forces from buying the best or cheapest item or proposal if a former employee of the Department of Defense of a former commissioned officer of the armed forces would benefit directly or indirectly.

It doesn't take much imagination to note that the armed forces might not be able to purchase something that they desperately need, i.e., a new invention such as anti-gravity. In fact, the former employee or officer could be fined or imprisoned, not only without wrongdoing but in a sincere effort to help his country. There is definite discrimination against officers who are assigned duties in procurement, maintenance or supply. This will make it difficult and discriminatory for the armed forces to obtain or assign qualified personnel to these important duties.

There is some discrimination between regular and reserve officers. There is no valid reason to state that these provisions shall not apply to any "Reserve" officer who served on active duty for less than four years and one day, since "Regular" officers could resign or be discharged within that period of time. Also, refusal to repeal the outmoded dual-compensation laws discriminates against the regular officer. For example, both a regular and reserve officer can retire, but only the reserve officer can be paid if he accepts another government job. The regular officer needs the same legislation that the reserve officer has: that he not be considered an officer of the United States when retired.

Requiring defense contractors to list all retired officers on their payroll discriminates against retired officers since this will be an additional costly burden to contractors which they pass on to the government. The requirement is not even consistent with the rest of the legislation since it does not include other barred employees or distinguish between types of duties.

I do not object to a code of ethical conduct or to legislation to punish wrongdoing if this is presently lacking.

However, these should apply to Congressmen as well as others who have worked for our government. Without any evidence of wrongdoing, there is no need for discriminatory legislation. Members of our Department of Defense are entitled to fair representation, the same as any other citizen of the United States.

To state that those who have served their country in positions of trust and confidence without wrongdoing require a "cooling off" period of from two years to life is a slap in the face.

Any present legislation of this nature should also be repealed. Lowering the morale and efficiency of our armed forces cannot be tolerated on the grounds of political expediency.

COLONEL, U. S. ARMY

■ I object violently to the Hébert Subcommittee recommendation that retired personnel not be permitted to sell anything to the government, directly or indirectly, for a period of two years after retirement. Not only is this a slap in the face to those who have spent 20 to 30 years in positions of trust with no evidence of wrongdoing, but also this is a restriction on efficient government. There will be many times when the government will be prevented from buying something that is better or cheaper. A future possibility may be this headline: "Retired Army Officer Invents Anti-Gravity. Sells to foreign government since law prohibits sale to U. S."

The entire investigation is suspect. Congress wanted to divert attention from complaints against its members. President Eisenhower's complaint against those who did not agree with his views on limiting military expenditures in no way indicated any wrongdoing by retired personnel. If Congress is sincere, let it enact legislation preventing anyone working for the government for any period of time (including Congressmen) from selling to the government for two years after leaving the government for any reason (resignation, dismissal, failure to be re-elected, etc.) Withholding earned retirement pay is unfair, will affect those who can least afford it, and will divert many from valuable contributions to their country.

I am not against a code of ethics or penalties for wrongdoing. I am against discrimination which will hurt our government and its loyal citizens.

COLONEL, SIGC

IN THE JOURNAL

Uniform Code of Military Justice Nears Enactment; Under-Ice Journey To Pole By Submarine Proposed

10 Years Ago—Early enactment of the Uniform Code of Military Justice was virtually assured this week as the Senate passed with amendments, legislation which already had attained House approval.

50 Years Ago—A submarine capable of travelling 100 feet below the ice is the means a Kiel scientist, Dr. Anschütz, proposes for reaching the North Pole. An apparatus patented in all countries by the Doctor, and now installed on German warships, for revealing the direction of the magnetic pole, is to be used by the submarine explorers in determining their whereabouts.

96 Years Ago—The chief of the military detective force of the district of Washington, reports that during the month of January, 62 commissioned officers were arrested for various offenses, and 620 enlisted men.

CAPITOL JOURNAL:

AF Crash Program Would Fly A-Plane
In 4 Years; Hill Testimony Highlights

THE Air Force has disclosed that, even with a crash program, it would be at least another four years before an atomic aircraft could be ready to fly. Lt. Gen. M. E. Bradley, Jr., Air Force Deputy CofS (Materiel) said such an undertaking would cost between \$300 and \$350 million, and the finished product "would not be a weapon system." His statement was in reply to a question by Representative Daniel J. Flood (D-Pa.), during House Military Appropriations Subcommittee hearings. Congressman Flood wanted to know the "earliest possible date" that nuclear-propelled aircraft could be ready to fly.

Col. Bryce Harlow, USAR, Deputy Assistant to the President, speaking at the Reserve Officer Association banquet 5 February, after receiving the ROA's "Minute Man" award, took some playful pokes at Congressional budget-makers. A former Chief Counsel of the House Armed Services Committee, Colonel Harlow noted that these are "tense and worrisome days" for the military. "In this season," he said, "they must apprehensively cluster about Committee launching pads, with their Congressional ICBM's competitively raised. In all this world nothing is as nerve-wracking as the appropriations count-down." He added that to some military budget officers, ICBM means "I'm Clobbered By Mahon." Representative George H. Mahon (D-Tex) is Chairman of the House Military Appropriations Subcommittee.

Brig. Gen. James D. "Don" Hittle, USMC-Ret., has moved up from his post as Legislative Assistant to the Commandant of the Marine Corps, to become Deputy Assistant for Legislative Affairs to Secretary of Defense Gates. In the top Pentagon military legislative post, he succeeds Maj. Gen. Clarence J. Hauck, USA, who recently retired. General Hittle's replacement in the Marine Corps billet is Col. John H. "Bud" Masters, former Assistant Director of Marine Corps Personnel.

What They Said

Admiral Arleigh A. Burke, Chief of Naval Operations, told Congress: The Navy's original carrier request in the fiscal '61 budget was for a \$423 million nuclear-powered, four-reactor ship, somewhat smaller than the eight-reactor Enterprise. . . . The Navy can use a billion dollars more than the budget provides for antisubmarine warfare, and another billion for six more Polaris missiles. . . . There has been tremendously improved performance in new ASW equipment and various systems of detection, and the Navy will be able to give enemy A-subs "a rough time." . . . In mid-January, the Navy was a week ahead of schedule on the Polaris. . . .

General David M. Shoup, Commandant of the Marine Corps, employed skillful language in outlining Corps manpower requirements to the Congress. He said the 175,000-man force provided by the budget will enable the Corps "to do the job intended to be done by 175,000 men." . . . All Marines will be equipped with new 7.62 weapons by 30 June 1964. . . . The CMC made no comment when Representative Daniel J. Flood (D-Pa) remarked that he doesn't agree with General Shoup's decision to outlaw Marine Corps swagger sticks. . . . Actually, the Commandant told Marines they could keep the sticks if they felt they needed them.

Controversial views cropped up at every turn in the Hill testimony. Admiral Burke said the Navy's Polaris is "the only invulnerable system the U. S. can produce for retaliation." . . . General White said the Polaris, although a difficult target, "is certainly not invulnerable." . . . General Thomas S. Power said the nation needs an airborne alert. . . . Admiral Burke said such an alert at the present time would be a "waste of money." . . . General Lemnitzer said he thinks it is a mistake not to go forward with production on the Nike-Zeus anti-missile missile. . . . General White said he doesn't think the Nike-Zeus "is going to fill the bill." . . .

The Army currently has more troops in its operating forces than at any time in its history. General Lyman L. Lemnitzer told the House Military Appropriations Subcommittee, "So far as I know, no other army has a greater proportion in the category of operating forces." At present, Army operating forces comprise 65% of total Army strength. The percentage is expected to rise to 65.8 in fiscal '61. Only 9.5% are in support forces, and 16.4% in training. The rest of the Army's troops are in special activities, or in a transient or patient status.

The Marine Corps, with the historically largest percentage of troops in its operating forces, now has 60.8% in that category. It is due to rise to 64.8% in fiscal '61. Marine Corps support forces total 10.7%, and 20.9% are in training. For the Air Force and Navy the percentages in the operating forces, support forces and in training are: Air Force 66.1, 16 and 17.1; Navy, 61.8, 15.6 and 16.

Budget cuts which plague the nuclear-rocket project "Rover" will come under searching examination 15 February before closed-door meetings of the Joint Committee on Atomic Energy. Committee Chairman, Senator Clinton P. Anderson (D-N. Mex.) has indicated that he is concerned over both the fiscal '61 Rover cuts and the lack of clear-cut objectives for the project. He said the program seems to "be moving into a period of stretch out, indecision and drift comparable to the aircraft nuclear propulsion (ANP) project."

Army-AF Merger Study Termed 'Premature';
Possibility Considered 'From All Aspects'

GENERAL Lyman Lemnitzer, Army Chief of Staff, has reported to the House Military Appropriations Subcommittee that his Service has considered a "possible Army-Air Force merger from all aspects, including that of the missile effort, and has concluded that such merger is undesirable."

In testimony just released by the Committee, General Lemnitzer points out that the "Army and Air Force missions are now widely divergent and are becoming increasingly so with the passage of time."

The Army, he says in answer to Committee questioning, "does not believe that the merger of the two departments into a single department with such diverse missions would promote efficiency or military effectiveness."

"In fact, in the current situation it seems premature to initiate a formal study of the desirability of such a merger."

Hébert Proposal Hit By Civil Service

From first page—

The Department of Justice also opposed the language of some sections of the proposal as "too broad."

When questions were raised concerning the effect of the bill on five-star officers and on members of the House and Senate, Acting Committee Chairman Paul J. Kilday (D-Tex) suggested that these matters might better be reserved for discussion in executive session, when the committee meets behind closed doors.

Hébert Investigations Subcommittee Counsel John Courtney said it was not the intention of the legislation to place any new restrictions on five-star officers, or to limit Members of Congress in the discharge of their official duties.

Both issues were pointed up in THE JOURNAL (6 February).

The Pentagon had advised THE JOURNAL that the bill, as drafted, would bar five-star officers from employment with any firm doing any kind of business with the Armed Forces, or force them to give up their active-duty pay. Questions about THE JOURNAL articles were raised during the hearing. Later, Defense Department legal experts said their opinion was not altered by the Subcommittee Counsel's interpretation.

Mr. Courtney based his opinion on a letter furnished to the committee last September by Maj. Gen. George W. Hickman, Jr., Army Judge Advocate General. General Hickman said five-star officers "when not assigned duties have always been considered by the Army to be in a status analogous to that of retired officers."

Pentagon lawyers disputed the Army view, pointing out to THE JOURNAL that five-star officers are "on the active list" and therefore "on active duty" as determined by the definition established in military law.

Congressman F. Edward Hébert told THE JOURNAL that General of the Army Douglas MacArthur and General of the Army Omar N. Bradley, the only two five-star officers affected, would not, in any event, lose their military pay, inasmuch as they could ask to be placed on the retired list and thus avoid the restrictions imposed on active duty officers.

Congressman Kilday suggested to the committee that it might be desirable to write specific language into the bill exempting all five-star officers from the new section which establishes employment-bars for those on active duty. He

said this could be done in executive session if the committee so decided.

Assistant Secretary Finucane said the Defense Department believes the two-year "cooling off" period for officers taking sales jobs is a "sound" approach.

The suggested "enrollment" procedure for officers working for Defense contractors could better be handled, however, by the individual Services, he said, instead of by an enrollment office within the Defense Department as proposed by the committee.

He said the requirement that all defense contractors and subcontractors file lists of retired military officers in their employ upon award of a contract "would be burdensome on private industry" and might block the employment of retired officers. Some contractors, he said, secure hundreds of such awards annually.

Congressman Hébert explained that it was the intention of the committee to require this report "only once," and not each time an award is made.

Here are some of the other changes recommended by the Defense Department:

- Former civilian employees who work for the Defense Department for a limited period of time, and those in the lower grades, might be excluded from the conflict-of-interest restrictions.

- The provision to exclude officers who have served for four years or less should be extended to those who have not had more than 10 years' continuous active service.

- There should be no discrimination based upon the performance of duties in supply, procurement, and maintenance functions for those with less than 10 years' service.

- The bars on active duty officers are "unduly broad" and should be modified.

Secretary Finucane said the Defense Department will soon issue a "Standards of Conduct" directive applying to both active and former Defense Department personnel, and an "intensive study" has been initiated to draft a "Code of Ethics" for retired officers and to formulate "a position on the advertising of defense products by defense contractors."

The Civil Service Commission noted that a special committee of the New York City Bar Association has been making an intensive study of the conflict-of-interest laws, with the full cooperation of the Department.

—Continued on page 26

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MEMO--

DoD COMMUNICATIONS WILL BE UNIFIED under a new plan put into operation by Secretary of Defense Thomas S. Gates, jr. It calls for a communications agency to be established within the Defense Department structure to handle point-to-point requirements of the JCS, unified and specified commands and the Military Departments. The system will be phased in gradually so that existing Service networks will not be disrupted during the transition period.

EACH OF THE SERVICES NOW OPERATES its own communications network and it is not unusual for one network to be overloaded while another is relatively free of traffic. Chairman of the *ad hoc* committee assigned to unify the networks is Assistant SecDef (Supply and Logistics) E. Perkins McGuire.

THE GENERAL OFFICER STRENGTH at the Air Force's Ballistic Missile Division in Inglewood, Calif., could double. Maj. Gen. O. J. Ritland, Commander, and Brig. Gen. Charles H. Terhune, jr., Vice Commander, indicated to a Journal reporter this week their hopes that Col. William E. Leonhard and Col. Richard D. Curtin, both named for brigadier general rank, might be retained at BMD. Colonel Leonhard is Deputy Commander for Facilities. Colonel Curtin is Deputy Commander for Space Programs.

It won't be surprising if General Terhune receives a new assignment later this year. He has been assigned to BMD for 6 years, joining it at the time of activation by Lt. Gen. (then Maj. Gen.) Bernard A. Schriever.

AS BMD FACILITIES DIRECTOR, Colonel Leonhard currently is supervising a \$565 million annual ICBM base construction program. This is more than the total public works funds for the Army (\$263 million) and Navy (\$204 million).

FLIGHT STATUS SUSPENSIONS hit the Air Research and Development Command hard. This probably was an important factor in the reversal order (see page one). At the Ballistic Missile Division, it was learned this week, 40 out of 68 rated officers up for review, were designated for loss of flying pay. BMD officials said that one result of this action was the preliminary decision of 7 officers, not affected by the current suspension list, to retire or resign their commissions.

ARDC NATIONAL PRESS TOUR members who visited the North American Aviation Plant in Los Angeles on 8 February were surprised to learn that NAA has received authorization to construct only 1 B-70 prototype. The Pentagon announcement in December, which told of the B-70 "reorientation," indicated that two B-70 prototype aircraft would be built.

It seems certain that NAA will be given the go-ahead for fabricating the second prototype. It is estimated that the cost of the first B-70 under the revamped program will be about \$400 million. Net cost of the second, computing the money that would be saved in a test program involving 2 aircraft instead of 1, would be only \$40 million.

NUCLEAR SUBMARINES ARE BECOMING MORE EFFICIENT, but it still costs three to four times as much to operate a nuclear sub as it does to operate a conventional submarine. Biggest cost factor is the high price tag on the ship's nuclear core. With core prices coming down, the Navy expects that within the next four to five years it will be just as economical to operate a nuclear submarine as a conventional one.

THE AIR FORCE AEROSPACE MEDICAL CENTER at Brooks AFB, Tex., is hopeful that it will soon receive a go-ahead for the compilation of comprehensive records on brain wave patterns of Air Force flyers. This would complement the repository which contains more than 100,000 electrocardiogram records.

More than 400 doctors from 46 Nations have been trained at the Aerospace Medical Center's School of Aviation Medicine. Many are top medical officers of Allied air forces.

TWO RED-FACED CONGRESSMEN spoke too early this week to back Administration contentions that there is no serious missile gap. Chairman William E. Miller (R-N.Y.) of the Republican Congressional Campaign Committee charged before the Capitol Hill Club that the only people talking about the "missile gap" are the Democratic presidential aspirants. In similar vein, House Republican Minority Leader, Representative Charles A. Halleck (R-Ind.), leaving a White House conference, chided Administration critics with the observation: "I notice no flaming headlines out of the House Armed Services Committee. I don't think any of those boys are running for President." Just hours after Congressman Halleck's statement, the non-campaigning Chairman of the House Armed Services Committee, Representative Carl Vinson (D-Ga.) told the Veterans of Foreign Wars—"There will be a missile gap." He also said the Nation must make "drastic sacrifices" to boost U. S. defenses.

SPACE FLIGHT REQUIREMENTS will get added emphasis in the 32-week curriculum at the Air Force Flight Test Pilot School, Edwards AFB, Calif. Officials there told The Journal this week a curriculum revision study is underway. It will provide for training in such matters as orbital mechanics.

THE EDWARDS FLIGHT TEST CENTER, which will be the subject of a detailed report in next week's issue, is boosting its work in the missile and rocket field. The Rocketdyne Division of North American Aviation is building test stands there, one of which will be capable of handling a rocket system with a six million pound thrust. Late this year or early next year, tests will begin at Edwards on a 1.5 million pound thrust rocket. The Flight Test Center is also the site of the prototype silo installation for the Minuteman ICBM.

CAREER INSECURITY LEADS THE LIST of features considered by most Air Force officers as unfavorable to a military career, according to statistics on last Fall's opinion survey of Air Force personnel just released. Almost one quarter of all officers quizzed placed this on the top of their "gripe" list.

NEXT IN LINE FOR CRITICISM was inadequate or overly expensive housing, cited by 12.3% of those quizzed, and the claim by 13.1% of those questioned that military advancement is based too strongly on seniority.

RETIREMENT BENEFITS AND EQUITY stand out in the survey as the most favorable features of an Air Force career. Over 27% of those queried listed this on the brighter side of Air Force life. Love of Flying and aviation in general was cited by 17.8% as strong motivation for remaining in Service.

A DILEMMA FORMED part of the background of the Air Force's decision to put \$456 million into the B-70 bomber program during FY'61. Air Force officials were confronted with a choice of whether they wanted the F-108 or the B-70—they could purchase only one under existing budget limitations. The Air Force weapons board insisted that both systems should be purchased, but if only one could be purchased it should be the F-108. There was agreement in the Air Force policy council that both should be produced, but if the AF could have only one, they wanted the B-70. Air Force Chief of Staff General Thomas D. White, after "many sleepless nights," decided for the B-70. Air Force Secretary Dudley C. Sharp says he "was not so strong for the B-70 as the Chief of Staff."

A 50% CUT IN CONAC IS EXPECTED as the result of the Air Force's decision to transfer Reserve inspection and training responsibility to other major AF commands. Approximately 4,000 of CONAC's 8,400 personnel slots will be eliminated by the end of this calendar year. However, Lt. Gen. William Hall, present Continental Air Commander, will remain in his present three star billet. There are no immediate plans to reduce the three-star authorization of CONAC to two stars because of the planned strength and mission reductions.

IF THE TOP CONAC BILLET should eventually be downgraded, it can be expected that the two-star billet of Assistant Chief of Staff for Reserve Forces will be upgraded to three stars in order to maintain the prestige of the reserve components on top policy levels.

MOST IMPORTANT CHANGE IN RESERVE MISSIONS may be the assignment of post-attack recovery roles to Reservists. A large percentage of Air Force Reservists, officials say, may be used for maintaining post-attack military capabilities at civilian airfields to service military aircraft in the event nearby Air Force bases are destroyed.

THE QUICKENING TEMPO OF ROCKET ENGINE testing is pointed up in the disclosure by Aerojet-General Test Division Manager Daniel M. Tenenbaum that the current schedule calls for about 300 firings per month at the 20,000 acre facility in long-abandoned "Gold Rush" country near Sacramento, Calif. Aerojet President Dan A. Kimball anticipates that before the end of the year, a decision will be reached on projected expansion of facilities, possibly including exercise of option on another 35,000 acre site in California.

Progress on the Minuteman ICBM is such that first flight tests will be held this year. The 3-stage, solid-propellant missile is expected to attain operational status during 1963.

BALLISTIC MISSILE DIVISION CHIEF, Maj. Gen. O. J. Ritland, USAF, on 3 February attended a press dinner in San Diego at which he heard Convair Vice President Thomas G. Lanphier, jr., characterize his company's Atlas ICBM as being capable of doing everything the Martin Titan ICBM can do, "only the Atlas can do it now." The next evening, General Ritland, speaking to the Institute of Radio Engineers in Los Angeles, described Titan as a "big sister to the Atlas." The BMD Chief said that "along with Atlas it will virtually double our ballistic missile force available during the early sixties."

THE DECISION TO TRIM MATS to a hard-core nucleus of U. S. military airlift (story page one) may be followed by actions to remove many non-airlift functions from Military Air Transport Service responsibility. Some of these non-airlift activities are the Airways and Air Communications Service, the Air Weather Service, the Air Photographic and Charting Service, the Air Rescue Service, the Iceland Air Defense Force, and the 1405th Air Base Wing at Scott AFB, Ill.

DEFENSE DEPARTMENT OFFICIALS FEEL the assignment of non-airlift organizations to MATS has created erroneous public impressions as to the size and operation of that organization and also may tend to hinder MATS in its airlift functions. Defense officials point out that many non-airlift activities are assigned to MATS as a matter of administrative convenience and not because they are an integral element of airlift. Of the 1,245 aircraft assigned to MATS, only 511 are used in its strategic airlift fleet.

THE PENTAGON HOPES the new MATS plan will ease civilian criticism of MATS operations and allow introduction of new planes to the MATS fleet without industry opposition. Especially needed at the present time, MATS officials say, are jet cargo transports. They feel that either the Boeing 707 or Douglas DC 8 could be adapted quickly to a new cargo role.

Aerospace Medical Center Planning Seven New Professional Facilities

BROOKS AFB, TEX.

MAJ. GEN. Otis O. Benson, jr., Commander, and his team of crack military and civilian space scientists are hopeful Congress will vote a \$12 million appropriation to provide seven new facilities at the Aerospace Medical Center's School of Aviation Medicine here.

General Benson, meeting with newsmen on the Air Force Air Research and Development Command National Press Tour last week, said the new funds would permit construction of a Professional Building, Aeromedical Library, Biodynamics - Biodynamics Laboratory; Dental Research Laboratory; Cellular-Physiology Laboratory; Bionucleonics Laboratory, and a Vivarium Support Facility.

Dedicated late last year after transfer from nearby Randolph AFB, Tex., the School of Aviation Medicine includes seven gleaming new buildings which house the Research Institute, Academic Building, Flight Medicine Laboratory, Altitude Laboratory, Research Laboratory Shops, Heating Plant and Cooling Tower.

In the School's Astroecology Section, preparations are being made for the first 30-day "flight" in a new double-occupancy Space Cabin Simulator, built by Minneapolis-Honeywell. It is an elliptical steel tank eight feet high by 12 feet long, described here as a "vast improvement" over the School's one-man simulator.

General Benson's top scientific advisor in planning hundreds of research projects designed to strengthen the Nation's aerospace capabilities is Dr. Hubertus Strughold, who organized the School's Department of Space Medicine more than 10 years ago.

The aerospace research program won national attention last week when Capt. Duane E. Graveline of the Biodynamics Section completed a test in which he spent seven days—except for one hour each day—immersed in a tank to simulate the weightlessness to which Astronauts will be subjected in space flights.

Working closely with General Benson and Dr. Strughold in planning critical research projects are Col. Robert H. Blount, Deputy Commander, Col. Paul A. Campbell of the Advanced Studies Group and Col. Hamilton B. Well, Chief of Medical Operations. Col. Willie C. Magness is Executive.

The Brooks facility has won a strong endorsement from Senator Lyndon Johnson (D-Tex.), and officials here count heavily on his support in gaining Congressional approval for new construction.

A part of the Air Training Command, under Lt. Gen. James E. Briggs, former Superintendent of the USAF Academy, the Aerospace Medical Center includes the USAF Hospital at Lackland AFB, Tex., the 3790th Epidemiological Flight at Lackland and the Medical Service School at Gunter AFB, Ala.

General Benson is the only physician in the Air Force who is also a base commander. At Brooks, his command includes flight operations.

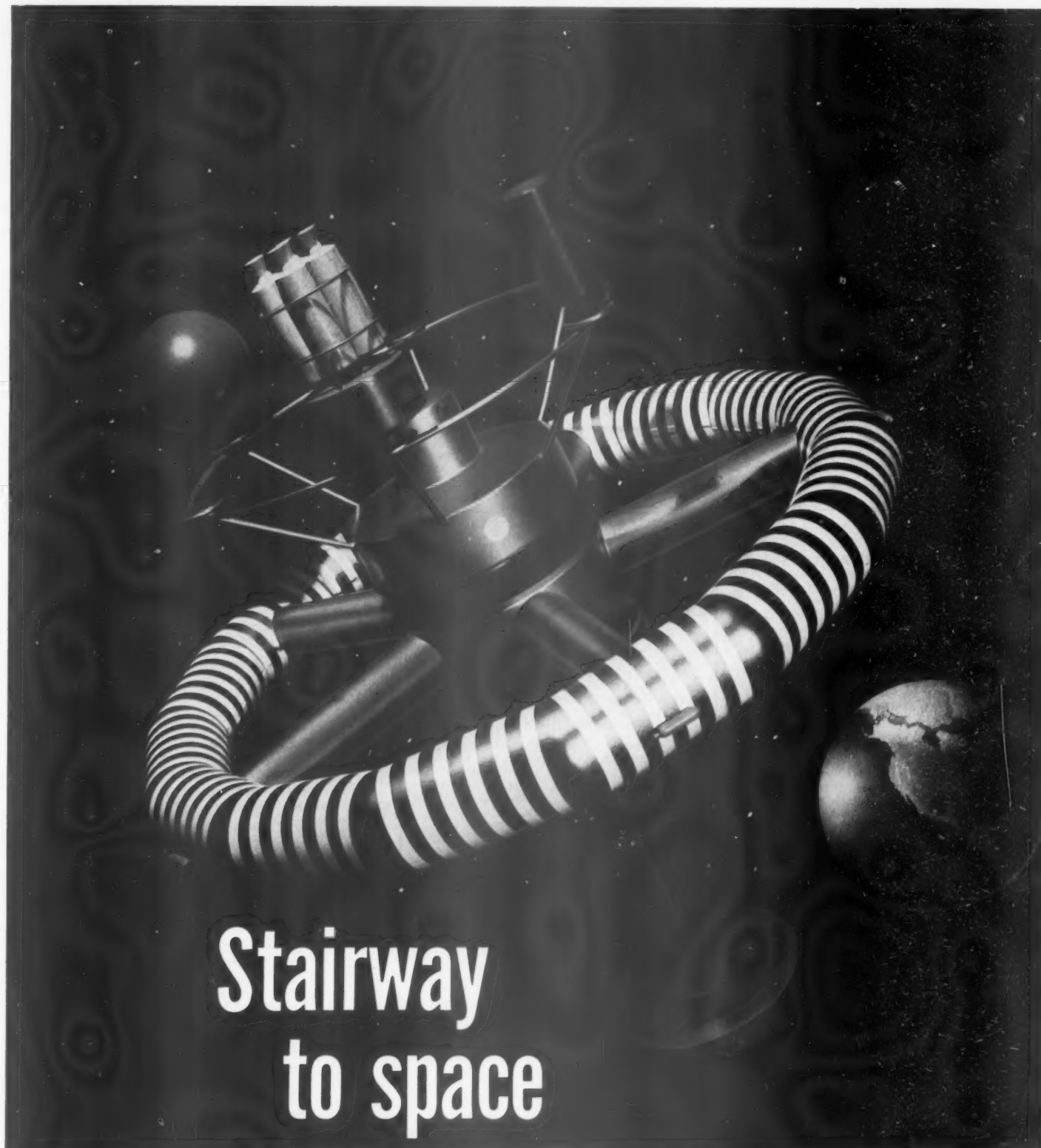
Among its responsibilities, the Center is charged with the mission of determining the level of radiation to which

aircrews could be subjected in connection with nuclear-powered flight.

Its list of prominent investigators includes Lt. Col. David G. Simons, who was decorated for his high altitude experimental balloon flights. He heads Biodynamics activities in Dr. Hans G. Clamman's Department of Space Medicine, another major activity of which is the Biodynamics section under Dr. Bruno

Balke, with Maj. Willard R. Hawkins, Assistant Chief.

All future Air Force Astronauts, including those who will be trained for the DynaSoar project, will be subjected to tests at the School of Aviation Medicine. Its facilities are believed to be the best in the world for such "pre-flight" examinations.



Stairway to space

Sometime in the 60's, America may have a manned station in space—and it could look a lot like this scale model by Lockheed.

We have much to learn before it can be built. Research is our stairway to space—basic research that seeks to discover the new rather than develop the known. We cannot predict what such research will discover, or when—but we delay it or curtail it at our peril.

Today, at Lockheed's Missiles and Space Division, more than 5,000 scientists and engineers are engaged in one of U.S. industry's broadest research and development programs. One group is conducting private industry's largest, most diversified program of fundamental research in space physics. Already they have made massive contributions to America's space technology—particularly in the Discoverer, MIDAS, and Samos satellite programs of the U.S. Air Force.

LOCKHEED

MISSILES & SPACE DIVISION

Army Orders

From page 5—

Kantz, Robert J, Jersey City, NJ, to USA
Mil Man w/Imperial Iranian Gendarmerie,
Teheran, Iran.

Martinez, Severino, Sandia Base, NMex, to
USA Elm MAAAG, Vietnam, Saigon.

To Stu Det USAWC, Carlisle Bks

Lawrence, Leon S, Irwin, Pa.
LeClair, Joseph A, Jr, Fairchild AFB, Wash.
Love, James W, Ft Monroe.
Lowe, Henry A, Ft Sheridan, Ill.
McCoy, Arthur C, Ft Leavenworth.
Mels, Emil F, Jr, Ft Carson.
Gray, Asa P, Jr, Cleveland, Ohio.
Lullon, James A, Ft Leavenworth.
Daley, Edward J, Gary, Ind.
Kinnard, Leo D, Ft Carson.
Nottingham, Allen H, Ft Benning.
Porter, Ray E, Jr, Ft Riley.
Soler, Eduardo M, Pasadena.
Spiece, Donald C, West Point.
Traver, Thomas H, West Point.
Titley, Richard J, Colorado Springs.

From Wash, DC:

Sparra, Charis R Barrett, William S
Westmoreland, R M Brooks, Robt L, Jr
Kyle, David M Carraher, R W
Finneran, Thomas D Chrietberg, Abb
Gillespie, H W, Jr Mundy, Reuben W
Johnson, Robert W Schutz, Albert D
Kalergis, James G Tobey, Nelson W

To Germany

Cake, James M, Williamsburg, Va.
Kane, Roy A, Wash, DC.
Smith, Herman R, Jr, Ft Bragg.

Captain

To Turkey

Bertaccini, Albert G, Ft Bliss.
Gatti, Raymond E, Ft Sill.
Remmie, John A, Canton, O.

1st Lieutenant

To Korea

Vuono, Carl E, Ft Meade.
Carter, Billy B, Ft Bliss.
Dixon, Dana R, Ft Devens.
Goldner, Robert S, Ft Bragg.

Military Review Editor

Col. Kenneth E. Lay has been named
as Editor-in-Chief of the *Military Re-
view* at the U. S. Army Command and
General Staff College, Fort Leavenworth,
Kans. The *Military Review* is a monthly
publication of the College.

Colonel and Mrs. Lay and their two
children, Kathleen, 11 and William, 7,
reside at 602 Scott, Fort Leavenworth.

2d Lieutenant

Newberry, Milton S, Ft Bragg, to USAAMC,
Ft Sill.
Steele, Jerry T, Ft Bragg, to 40th Arty Bde,
Arlington Heights, Ill.

CORPS OF ENGINEERS—

Lt Gen Emerson C Itchner, C of E
Colonel

Wozney, Michael J, Forest Park, Ga, to Ger-
many.

Lt Colonel

Prentice, Neil B, Ft Leonard Wood, to OCOF
ENGRS, USA, Wash, DC.

Major

Roden, Charles J, Ft Belvoir, to USA Inter-
American Geodetic Survey, Ft Clayton, CZ.
Carr, George P, Ft Belvoir, to Okinawa.

1st Lieutenant

Guldner, Francis J, Keflavik, Iceland, to 2d
Bg 60th Inf, Ft Devens.
West, James A, Ft Riley, to USA Arctic Test
Cen, Ft Churchill, Manitoba, Canada.

2d Lieutenant

Scott, Walter R (AS), Ft Huachuca, to Hq
USASA Europe, Frankfurt.

SIGNAL CORPS—

Maj Gen Ralph T Nelson, C Sig O
Colonel

Scroggs, John P, Wash, DC, to USA Elm Hq
SHAPE, Paris.

Lt Colonel

Berry, Milton M, Ft Huachuca, to Germany.

Major

Sills, Gerald H, APO 205, NY, to Stu Det US-
ACGSC, Ft Leavenworth.
Cunningham, Noble D, Wash, DC, to TD No
9786, USA Elm MAAAG, Taiwan, Taipei.
Coghlan, John E, Ft Monmouth, to Korea.

To Hawaii

Penas, Frank D, Ft Knox.
Robson, Warren H, Wash, DC.
James, Stanley L, Arlington, Va.

Captain

Greybill, James R, Ft Campbell, to USA Elm
Hq Pac Comd, Pearl Harbor, w/sta Dja-
akarta, Indonesia.

Sawyer, Willard C, Ft Meade, to ARMISH/
MAAG, Teheran, Iran.
Sabata, Jack M, Ft Bliss, to USA Elm Hq Al-
lied Land Forces Southeastern Europe, Iz-
mir, Turkey.
Hancock, Denis C, Okinawa, to USA Sig Gar,
Ft Monmouth.
Jones, Henry H, Ft Monmouth, to Okinawa.

To Germany

Hollis, James S, Ft Buchanan.
Tyson, James B, Ft Huachuca.
Aboud, Edmond P, Ft Benning.

1st Lieutenant

Sabastian, A, Urbana, Ill, to USMA, West
Point.
Mock, Richard W, Ft Bragg, to TUSLOG Det
4, Sinop, Turkey.
Walton, James B, Jr, Ft Wadsworth, to US-
ARAL.
Saylor, Cameron M, Ft Belvoir, to Hawaii.

To Korea

Graighead, Clyde V, Ft Gordon.
Campbell, Jerry K, Ft Sam Houston.
Carnahan, Ronald J, Ft Meade.
Lechner, Rupert R, Jr, Ft Bragg.
Park, George A, Ft Riley.
Anglin, Richard C, Ft Huachuca.

To Germany

Borer, Robert B, Ft Huachuca.
Cielan, Joseph R, Ft Benning.

2d Lieutenant

Moore, Charlie L, (AS), Ft Meade, to Hq US-
ASA Europe, Frankfurt.
Abbuhl, Wilcott, Ft Monmouth, to Korea.

ADJUTANT GENERAL'S CORPS—

Maj Gen Robert V Lee, TAG

Colonel

Schmidt, Herman A, Atlanta, Ga, to Korea.

Captain

Elliott, John R, New York, NY, to TAG Pers
Rsch, Wash, DC.

1st Lieutenant

Eubanks, James M, Wash, DC, to 2d Armd
Div, Ft Hood.

2d Lieutenant

McLaughlin, Gerard M, Ft Stewart, to TAGS-
USA, Ft Benjamin Harrison.

JUDGE ADVOCATE GENERAL'S CORPS—

Maj Gen George W Hickman, TJAG

Lt Colonel

Freeman, Wilson, Wash, DC, to Munich, Ger-
many.

1st Lieutenant

Welts, David A, Ft Meade, to Hq USATC, Ft
Leonard Wood, Mo.

Wolfe, Joseph W, Ft Meade, to USA Gar, Ft
Hayes, O.

Bower, James P, Ft Benning, to Hq MDW
USA, Wash, DC.

Ishikawa, Richard M, Cp Irwin, Calif, to Hq
USA TC & Gar, Ft Ord.

QUARTERMASTER CORPS—

Maj Gen Andrew T McNamara, QMG

Lt Colonel

Franklin, George H, Philadelphia, to Okla-
nawa.
Burns, Donald E, Ft Benning, to USA Clo &
Textile Mat Cen, Philadelphia.
Duke, Robert C, Colorado Springs, Colo, to
ODCSLOG USA, Wash, DC.

Major

Rigby, Jack B, Ft Lee, to Japan.

Captain

Florio, John D, Ft Myer, to USA Elm Hq
SHAPE, Paris.
MacMichael, Kitt M, Ft Lee, to Mil Gen Sup
Agcy USA, Richmond, Va.
Eastman, Oran S, Aberdeen Pr Gr, to France.

1st Lieutenant

McConnell, Edward J, Ft Hood, to Germany.

FINANCE CORPS—

Maj Gen Paul A Mayo, C of F

Captain

Goette, Joseph A, Ft Meade, to USA Gar, Ft
McClellan.
Elias, Michael A, Ft Benjamin Harrison, to
USA Elm MAAAG, Vietnam, Saigon.

1st Lieutenant

Senneff, James C, Ft Meade, to France.

MEDICAL SERVICES—

Lt Gen Leonard D Heaton, SG

Medical Corps

Colonel

Peatfield, Norman E, Wash, DC, to Germany.

Col. Wikoff Appointed By Wentworth Academy

Col. Lester B. Wikoff, secretary-treas-
urer of Wentworth Military Academy,
has been named superintendent of the
school by the board of directors to suc-
ceed Col. James M. Sellers who has tend-
ered his resignation.

Colonel Wikoff has served the school
in various capacities since joining the
staff in 1915 from the University of
Missouri where he won B.A. and B.S.
in Education degrees, and letters in var-
sity football and baseball.

Colonel Wikoff will continue with his
secretary-treasurer duties for the time
being in addition to taking over his new
duties.

Although Colonel Sellers is resigning
as superintendent, a post he has held
for 27 progressive years, he will continue
to serve as president of the board of di-
rectors and continue many duties at the
Academy.



VIGILANTE: a "decathlon winner" airplane

It's easy to make an airplane to excel in one thing. It's hard to make one that excels in many. But there is no room on a carrier deck for an aircraft that has muscle for only one kind of job.

The Navy now has an "all-round champ"—a manned weapons system called the A3J Vigilante. Manufactured by the Columbus Division of North American Aviation, production models of this advanced aircraft are now in Navy flight evaluation. This slim, needle-nosed weapon of some 70 feet in length has the power to whip its 25 tons off a pitching carrier deck, climb swiftly into the stratosphere and fly at Mach 2 speeds...yet is controllable enough to land like a gull either on the carrier or on small fields ashore.

Dental Corps—

Maj Gen James M Epperly, Chief

Major

Zak, Henry L, Ft Sam Houston, to Hawaii.

Medical Service Corps—

Col Roy D Maxwell, Chief

Colonel

Freeman, Monroe E, Frankfurt, Germany, to
Adv Rsch Proj Agcy OSD, Wash, DC.

Lt Colonel

Hayes, Cecil H, Ft McPherson, to Japan.
Lewis, Garland B, Ft Campbell, to France.

To Germany

Chapelle, Francis O, West Point.
Drowns, Norman S, Wash, DC.
Henderson, Clyde W, Wash, DC.
Marks, Edward, Ft Sam Houston.
Swall, Ross F, El Paso, Tex.
Williams, John R, Wash, DC.
Fernandez, Raymond, Ft Myer.
Gottry, Samuel M, Louisville.

Major

Browne, Robert W, Ft Sam Houston, to
France.

To Germany

Dell'Omo, John I, New York, NY.
Weatherall, Richard T, Albuquerque, NMex.

Captain

Di Salle, Richard C, Ft Sam Houston, to
Korea.

To Germany

From Ft Sam Houston:
Cooksley, Boyd E Kutch, Don L
Snook, Howard P

To France

From Ft Sam Houston:
Dowless, John A Jewell, William C

1st Lieutenant

Crowley, Charles L, Ft Campbell, to Madigan
GH, Tacoma.
Yamamoto, Hiroshi, Ft Sam Houston, to USA
Elm MAAAG, Taiwan, Taipei.

To Germany

Donato, Joseph J, Ft Knox.
From Ft Sam Houston:
Chapin, George E, Jr Humphrey, Charles L
McMurray, Dallas R

2d Lieutenant

Markwood, Ronald L, Ft Jackson, to Korea.

Army Medical Specialist Corps—

Col Ruth A Robinson, Chief

2d Lieutenant

To Stu Det Fitzsimons GH, Denver

From Ft Sam Houston:
Follenbee, Phyllis M Ouradnik, Judith A

To Stu Det Brooke GH, Ft Sam Houston

From Denver:

Lochbaum, M R Throckmorton, Ann L

WOMEN'S ARMY CORPS—

Col Mary L. Milligan, Director
Captain

Cox, Anita D., Kansas City, Mo., to Hq VIII
USA Corps, Austin, Tex.

CHIEF WARRANT OFFICERS—

Lamb, William T., Ft Sill, to USA Gar, White
Sands Msl Rg, NMex.
McVey, Curtis A., Ft Knox, to 12th Avn Co,
Ft Sill.
Arthin, Samuel H., Arlington, Va., to TUS-
LOG Det 1, Sino, Turkey.
Rigg, Clifton F., Killeen Base, Tex., to 99th
Ord Det, Ft Shafter, Oahu, Hawaii.
Ashley, Harley R., Ft Meade, to USA Elm Hq
USEUCOM, Paris.
Phillips, Edwin R., Aberdeen Pr Gr, to Korea.

To Germany

Lee, Richard W., Ft Bliss.
Oyler, Donald O., Sacramento, Calif.

RETIRED—

Lt Colonel

Wilson, Delmar G., pd (60%) fr temp disab
ret list.
Reed, Herbert N., TC.

Major

Hendriz, Marguerite E., pd (30%) fr temp
disab ret list.
Ross, Margaret C., ANC.

Captain

Schurig, Warner R., pd.

Chief Warrant Officer

Brame, W-4 Willard, AI, pd (100%).
Thomas, W-4 Charles H., SigC, pd (10%).

Retired Upon Application

Lt Colonel

Spencer, Allen W., CmlC.
Ellis, Willis T., CE, as Col.
Lockhart, Henry D., Armor.
Schmid, Helmut K., Inf, as Col.

Major

Stithem, Dale D., TC.

Captain

Sloane, George A., Inf.
Gorter, Russell T., SigC.

**Col. Warren Becomes
Ass't Ch. of Eng. 1 April**

Col. Robert B. Warren will assume
his new duties as Assistant Chief of En-
gineers for Troop Operations, Depart-
ment of the Army, Washington, D. C.,
on 1 April.

He will succeed Col. J. D. Cole, who
has been Acting Chief of Engineers for
Troop Operations since Brig. Gen. S. R.
Hammer vacated the post in June 1959,
when he became Deputy Chief of En-
gineers for Military Operations.

Colonel Warren is now assigned to
U. S. Army Europe as Assistant Com-
mander, U.S.A. Communications Zone.
He has been nominated and confirmed
for promotion to the grade of temporary
Brigadier General. His actual promotion
awaits a vacancy.

Chief Warrant Officer

Young, W-3 Alfred G., AGC.
Nack, W-4 Arthur W., AGC, as Lt Col.

**OFFICERS TO TEMP DISAB RET
LIST—**

St. Claire, Lt Col Felix L., disch as Sgt.
Sharp, Lt Col William B., ChC (60%).
Jarls, Maj Louis C., disch as M/Sgt.
Jeffords, Maj Alexander H. B., disch as S/Sgt.
Donoho, Capt Elmer E., disch as Sfc.
Singletary, Capt Charlie T., VC (80%).
Bozansky, Capt George, disch as M/Sgt.
Kennedy, 1st Lt Robert E., disch as Sgt.

**OFFICERS REMOVED FR TEMP
DISAB RET LIST—**

Crockett, Capt Davy B.

RESIGNED—

Tanner, 1st Lt Marilyn C., AMSC.

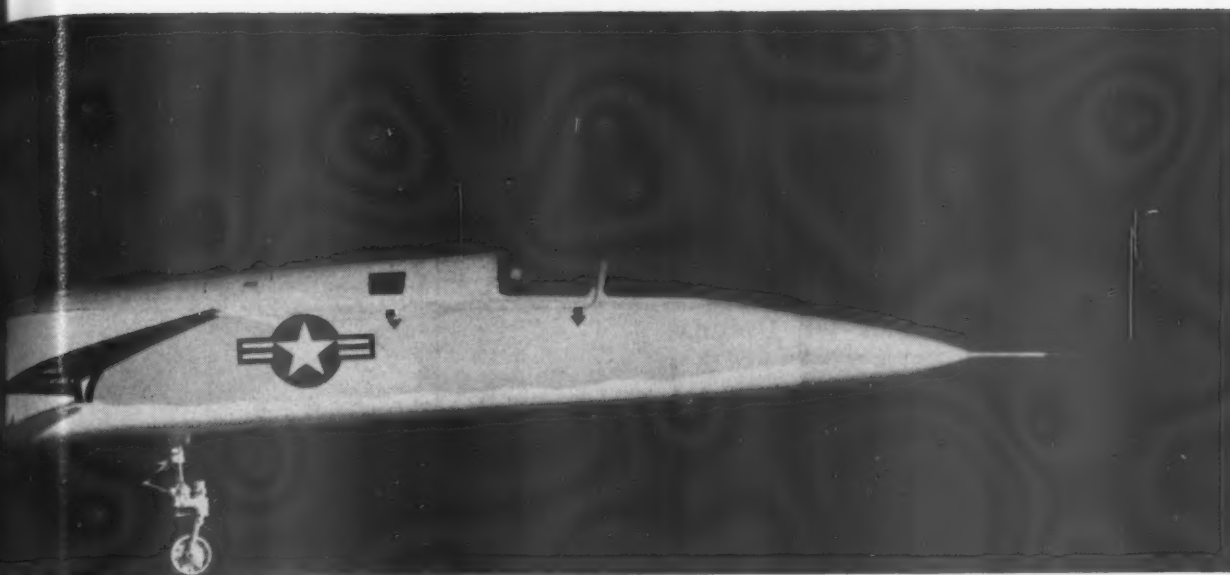
PROMOTED IN RA—

To Lt Colonel
W/DR 1960

29 Jan: Archer, Rubye W., ANC; Duley,
Clara M., ANC; Hayes, Katherine E., ANC;
Parker, Edna M., ANC; Patterson, Evelyn M.,
ANC; Smith, Mary L., ANC;
Taylor, Ruth P., ANC; Thornton, Joyce A.,
ANC; Tollerson, Margaret E., ANC; Werley,
Harriet H., ANC; Younger, Mary M., ANC;
Murdoch, Richard G., Armor; Yerby, Harry
J., Arty.

30 Jan: Baker, Barton O., OrdC; Dicker,
Herman, ChC.

—Continued on next page



The A3J is formidably equipped with integrated elec-
tronic systems and auto-flight controls, so that regardless
weather or target accessibility—day or night—it can
precisely deliver nuclear or conventional warheads from
any altitude, from any attitude, and at distances ranging
to 1000 miles from the carrier.
A plane that can double, too, for reconnaissance and

intelligence missions—yet has speed and maneuverability
to perform single-plane attack missions without escort.
A dream? The men who fly it say she is. She is perhaps
as close as you can come to being all things to all pilots.
Her versatile capability will strengthen our Navy for
either "brush-fire" warfare or all-out nuclear conflict for
many years to come. The name again: A3J Vigilante.

THE COLUMBUS DIVISION OF NORTH AMERICAN AVIATION, INC.

Columbus, Ohio



Army Nurse Corps—

Col Margaret Harper, Chief
Major

Matlock, Cleo V., Phoenixville, to USA Disp,
Arlington Hall Sta, Arlington, Va.
Swan, Eleanor J., Tacoma, Wash, to USAH,
Cp Hanford, Wash.

Captain

Gilson, Shirley M., Ft Sam Houston, to USAH,
Ft Lawton.
Nakamoto, Annie C., Ft Sill, to Stu Det Let-
terman GH, San Francisco.
Taylor, Emma L., Ft Benning, to 60th Fld
Hosp, Ft Lewis.

1st Lieutenant

To Stu Det Letterman GH, San Francisco
Storey, Billy M., Ft Hood.
Posell, Robert B., Ft Eustis.
Grimsley, Willis D., Ft Campbell.
To Stu Det Walter Reed Gen Hosp, Wash, DC
Duffy, Robert F., Ft Devens.
Moore, Leon R., Ft Campbell.
Woods, Francis X., Ft Benning.

2d Lieutenant

Gonzales, Luis J., Ft Carson, to Stu Det
Walter Reed GH, Wash, DC.
Ruttman, Gloria F., Ft Benning, to USA Spt
Gp for Korea Depn Housing, Seoul.

ORDNANCE CORPS—

Lt Gen John H. Hinrichs, C of Ord
Lt Colonel

Burns, Ellsworth J., Ft Hood, to USA Elm
JUSMMAT, Ankara, Turkey.
Holtz, Werner, Wash, DC, to ARMISH/MAAG
Teheran, Iran.
Lautz, Edward H., Chambersburg, Pa, to USA
Elm MAAG, Taiwan, Taipei.

Major

Harrison, Charles L., Rochester, NY, to USA
Elm Hq Pac Comd, Pearl Harbor, Hawaii
w/sta Djakarta, Indonesia.
Leonard, William A., Redstone Arsenal, Ala,
to USA Elm MAAG, Germany, Bonn.

Captain

Anderson, Roy W. (AS), Ft Devens, to TUS-
LOG Det 27, APO 254, NY.
O'Hair, Edgar A., Jr, Lafayette, Ind, to USMA
West Point.
Maher, John F., Ordnance Oreg, to USA Elm
JUSMAG, Thailand, Bangkok.
Ringey, Lawrence E., Ft Wayne, to USA Elm
JUSMMAT, Ankara, Turkey.
Clarke, Frank P., Aberdeen Pr Gr, to Korea.

To France

Lehnus, Elwood C., Rock Island, Ill.
Wolken, Leo B., Killeen Base, Tex.

1st Lieutenant

From Lafayette, Ind, to Station Indicated
Goodwin, Robert E., USMA, West Point.
Tyler, Richard B., USA Ord Tk-Autmv Comd,
Detroit, Mich.
Johnson, Peter W., USA Ord Arsenal, Water-
town, Mass.
Gottson, Richard N., Diamond Ord Fuze Lab,
Wash, DC.
Brant, Kenneth E., USA Ord Aberdeen Pr Gr.

2d Lieutenant

Dongieux, Francis M., Ft Bliss, to USA Ord
Msl Comd, Redstone Arsenal.
Elting, James A., Ft Hood, to 20th Ord Co, Ft
Lewis.
Groom, Robert W., Ft Gordon, to 573d Ord
Co, Ft Ord.
Kosty, Jon A., Ft Riley, to USA Ord Dist,
Philadelphia.
Pearson, Lovie M., Ft Lewis, to 521st Ord Co,
Ft Bragg.
Rice, Harwin W., Ft Bragg, to USA Ord Ar-
mory, Springfield, Mass.
Waudby, Robert H., Ft Riley, to USA Ord Ar-
mory, Springfield, Mass.

To USAOGMS, Redstone Arsenal, Ala

Addicott, James T., Ft Lewis.
Blondell, John V., Ft Campbell.
Buechley, Thomas C., Ft Benning.
Cummings, Henry A., Jr, Ft Riley.
Dietzman, Ernest E., Ft Hood.
Grubbs, William E., Ft Campbell.
Lassen, Richard L., Ft Stewart.
Yeomans, William A., Ft Benning.

To France

Banks, William J., Ft Lewis.
Easter, Dale S., Ft Stewart.
Maxam, Noel R., Ft Benning.

CHEMICAL CORPS—

Maj Gen Marshall Stubbs, C Cml O

1st Lieutenant

Ledee-Ramirez, Jacinto, Ft Bragg, to USA
Ord Gp, Okinawa, Ryukyus Is.

**Army Gives Permanent
Promotions To 8,100 EM**

The Army has slated 8,100 permanent
enlisted promotions for the period 1 Jan-
uary to 30 June 1960.

The total includes 100 to E-8, 1,500 to
E-7, 2,000 to E-6, 3,500 to E-5, and 1,000 to
E-4.

The Permanent E-8 quota is the first
allocated to major commands and will
go to the first temporary E-8's appointed
in June 1958. EM currently serving in
pay-grades E-8 and E-9, who hold perma-
nent grade of E-7, are eligible for perma-
nent E-8 by virtue of having served two
years in temporary rank.

There are no quotas for permanent E-9,
since the requirement for three years in
temporary grade of E-9 precludes perma-
nent appointments from being made until
the Spring of 1962.

The Army resumed permanent promo-
tions for enlisted men 1 July 1958 to add
stability to the status of Regular and to
provide recognition for those best quali-
fied.

TRANSPORTATION CORPS—

Maj Gen Frank S. Besson, Jr, C of T
Colonel

Rogers, William C., Ft Eustis, to USA ADGRU
Korea, Yongsan.
Chestnutt, James G., San Francisco, to USA
Info Ofc, Los Angeles.
Beck, Vancel R., Ft Eustis, to France.
Goode, Roy E., San Francisco, to Germany.

Lt Colonel

Dyer, William B., Wash, DC, to 3d Trans Bn,
Ft Benning.
Walker, Frank E., Jr, Ft Eustis, to USA Elm
Hq Allied Land Forces Southeastern Eu-
rope, Izmir, Turkey.

Major

Nash, Vernon L., Jr, Wash, DC, to OUSARMA
Am Emb, Teheran, Iran.

Captain

Humphrey, Marvin E., St Louis, to USAR-
CARIB (Panama).
Wilson, Robert B., Killeen Base, Tex, to Stu
Det USATSC, Ft Eustis.
Miller, William R., Patrick AFB, Fla, to US-
ATTC, Ft Eustis.
Yard, Arthur J., Ft Story, to France.

To USA Trans Rsch Comd Ln Ofc,

Wright-Patterson AFB

From Ft Eustis:

Allen, William M. Boatright, Robert C

1st Lieutenant

Strubi, Jacobs F., Ft Lewis, to USA Elm Hq
Allied Forces Southeast Europe, Izmir,
Turkey.

Powell, Buell R., Ft Belvoir, to USARAL.

To USA Trans Rsch Comd Ln Ofc,

Wright-Patterson AFB, O

From Ft Eustis:

Finley, John L. Bowman, Harry D

Woodmansee, D B

2d Lieutenant

Grady, Joseph F., Ft Eustis, to USASETAF.

MILITARY POLICE CORPS—

Maj Gen Haydon L. Boatner, PMG

Major

Luce, Edward G., Ft Gordon, to Stu Det US-
ACGSC, Ft Leavenworth.

Captain

Balent, Louis L., Ft Leavenworth, to USA
BW Lab, Ft Detrick.
Craighead, Doyle T., Ft Gordon, to 720th MP
Bn, Ft Hood.
Robinson, James B., Jr, Ft Gordon, to USA
MP Co B, Sandia Base, NMex.
Slusar, Peter, Ft Gordon, to 293 MP Co, Ft
Ord.
Champlin, Douglass D., Aberdeen Pr Gr, to
26th MP Det, Ft Myer.

To Stu Det USACGSC, Ft Leavenworth

Barry, Clarence D., Lincoln, Nebr.
Smith, Malcolm R., Ft Ritchie.

Army Orders

From preceding page—

31 Jan: Willis, Luella R. ANC; Sunder-ville, Edwin J. VC.

1 Feb: Ruffner, Clifford H. Jr. OrdC; Robertson, Harry J. VC.

2 Feb: Lucas, Charles L. Inf; Wood, Milford W. Arty.

To Major
W/R 1960

29 Jan: Sterling, Thomas M. JAGC.
2 Feb: LeVant, William S. AGC; Poulin, Paul R. Sig C; Carter, Leland B. VC.

To Captain
W/DR 1960

30 Jan: Allen, Stanley C. Ord C; Boman, Jack D. Sig C; Gill, Oather J. Jr. Arty.; Leach, Anthony J. Jr. Inf; Zwickler, William R. Sig C; Taft, Foster H. Jr. MC; Oliver, William M. WAC.

31 Jan: Brannon, William W. Jr. Armor; Malouin, Leon F. Jr. OrdC.

1 Feb: Brinson, William B. Jr. QMC.

2 Feb: Clark, Allison P. TC; Hayward, Barton M. Arty; Parker, Wilson C. Jr. Arty.

To 1st Lieutenant
W/R 1960

29 Jan: Powe, Carl M. Jr. Ord C.

30 Jan: Hopper, Samuel R. Arty.

1 Feb: Cowles, Phillip R. CE.
2 Feb: Berg, George A. QMC; Cofoni, Peter J. QMC.

TEMPORARY PROMOTIONS—

To Colonel

Carver, Richard K. Armor; Hall, Carl C. QMC; Hogle, James C. CE; Lowe, Robert L. Arty; Olson, Harry C. TC; Peterson, Charles D. QMC; Smith, Ralph H. TC; Waggoner, Edward F. TC.

To Lt Colonel

Taylor, Lewis A. Jr. DC.

To 1st Lieutenant

Scovel, Dennis A. AI; Turenne, Paul N. Arty; Farill, Trent G. Sig C.

To CWO-3

McCoy, Gerard J. MSC; Peters, Nyren L. CE; Silver, Raymond R. AGC; Zembas, Phillip. CE.

APPOINTED IN RA—

Captain

Bloch, Malcolm H. MC.
Hunt, Jim I. Inf.
Pannier, Leon G. Jr. Cml C.
Tate, Wallace L. TC.
Jacobs, Norman P. Inf.
Schumacher, David J. Inf.

1st Lieutenant

Haney, Charles H. Jr. CE.

FR PROBATIONARY APT TO RA COMMISSION—

Jacobs, Capt Norman P. Inf.
Schumacher, Capt David J. Inf.

BRANCH ASSIGNMENTS—

Zimmerman, Lt Col William M. fr Inf to TC.
Silverston, Maj Gaylord O. USAR, fr Inf to AGC.
Smith, Maj Dewitt C. fr Arty to Inf.
Dillard, Capt Douglas C. USAR, fr Inf to AI.
Brown, Capt James L. fr Inf to VMC.
Jeffers, 1st Lt Sam E. Jr. fr Armor to Inf.
Claffin, 1st Lt Alan B. fr Arty to Cml C.

DESIGNATED ARMY AVIATORS—

Senior Army Aviators:
Connaway, Capt Charles E. Arty.
Graves, Capt Theodore J. Arty.
Licha, Capt Charles A. Inf.
St John, 1st Lt Paul J. Armor, NG.
Smithy, Paul C. TC.

ADVANCED ON RET LIST—

Chase, M/Sgt Howard H. to Maj.
Manger, M/Sgt Max, to Capt.
Kettle, M/Sgt William H. to 1st Lt.

EM RET & TRF TO USAR—

Hogge, Sfc W H
Hoyt, M/Sgt R L
Martin, M/Sgt E C
Phelan, Sfc John J
Williams, Sfc J E
Allen, M/Sgt M P
Zajac, M/Sgt A S
McNabb, Pvt James H
Nichols, S/Maj J R
Benzing, Sfc M W
Brook, S/Maj W R
Burgess, M/Sgt Ira B
Crech, M/Sgt J L
Eitzler, Sp5 Robert W
Hall, Sfc Norman
Hughes, M/Sgt Ray
Jacobson, Sfc H A
La Fleur, M/Sgt R J
Livingston, Sgt EM
Marker, M/Sgt H W
McBroome, Sfc J M
Monday, M/Sgt G E
Penning, S/Maj E W
Phillips, M/Sgt D L
Rhodes, M/Sgt H R
Sartor, Sfc Gerald C
Stiles, Sfc William L
Sutich, M/Sgt R R
Williamson, Sgt E D
Wood, Sfc Ivy P
Batchelor, M/Sgt J J
Malone, Sp5 Willie E
May, M/Sgt L H
Smith, M/Sgt J J
Stone, M/Sgt W A, Jr
Kipgen, Sp6 G P
Arnold, M/Sgt E L
Adams, M/Sgt R T
Duprey, Sfc F P
Keene, M/Sgt Paul I
McIntosh, M/Sgt F
Carradine, Sp5 S B, Jr

The Armed Forces Top Command

The Honorable Dwight D. Eisenhower
Commander In Chief Of The Armed Forces

The Assistant to the President—Maj. Gen. Wilton B. Persons, USA-Ret.
Special Assistant to the President—Maj. Gen. John S. Bragdon, USA-Ret.
Deputy Assistant to the President—Col. Bryce Harlow, USAR
Staff Secretary—Brig. Gen. Andrew J. Goodpaster, USA
Military Aide—Col. Robert L. Schulz, USA
Naval Aide—Capt. Evan P. Aurand, USN
Air Force Aide—Col. William G. Draper, USAF

Department Of Defense

Thomas S. Gates, Jr.
Secretary Of Defense

Deputy Secretary of Defense—James H. Douglas, Jr.
Director, Research and Engineering—Herbert F. York

Assistant Secretaries Of Defense

Franklin B. Lincoln, Jr. (Comptroller)
Charles C. Finucane (Manpower, Personnel and Reserve)
John N. Irwin, II (International Security Affairs)
E. Perkins McGuire (Supply and Logistics)
Floyd S. Bryant (Properties and Installations)
Dr. Frank B. Berry (Health & Medical)
Murray Snyder (Public Affairs)
J. Vincent Burke, Jr. (General Counsel)

Joint Chiefs Of Staff

General Nathan F. Twining, USAF
Chairman

General Lyman L. Lemnitzer—Chief of Staff of the Army
Admiral Arleigh A. Burke—Chief of Naval Operations
General Thomas D. White—Chief of Staff of the Air Force
General David M. Shoup—Commandant of the Marine Corps

ENLISTED MEN RETIRED—

Jenigen, M/Sgt Walter A. as Maj.
Lovejoy, M/Sgt George F. as Lt Col.
Toler, Sgt Carolyn G. as Maj.
Blake, M/Sgt Elwood C. as Capt.
Akin, M/Sgt Aubrey W. as Col.
Beyer, S/Sgt Robert W. as Lt Col.
Walte, Sfc Gilbert A. as Lt Col.
Souther, S/Sgt John K. as Lt Col.
George, Herman F. as CWO-3.
Wunderlich, M/Sgt Albert M. as Lt Col.
Johnston, Sgt Roy T. as Maj.
Sigwald, M/Sgt John J. as Lt Col.
Estep, Pvt Roy
Butler, Sp6 Cecil
Mitchell, Sp6 W J
Cunningham, Pfc
Charles F
Hicks, Pvt Clyde
Harris, Pvt H L
Harrison, Cpl Z
Moore, Sfc J B, Jr
Page, Pvt Billy J
Portis, Sfc Louis
Smith, Sfc Lida J
Betts, John E
Bellegarde, Pfc C C
Moss, Pfc John A
Rodriguez, Sgt V B
Williams, Sgt G L
Wiggins, S/Sgt W E
Perry, Sfc Martin L
Hornsby, M/Sgt C L
Champagne, Pfc B, Jr
Collingwood, Pvt L C
Langford, M/Sgt R L
O'Neal, Sp5 R L
Smith, M/Sgt E O
Seale, M/Sgt S R
McDaniel, Sp4 A L
James, Sp4 Henry F
Mann, Sp5 Darrell E

L/Col. Steinkamp Will Review FAA Records

Lt. Col. George R. Steinkamp, USAF, MC, recently with the Air Force School of Aviation Medicine, Brooks AFB, Tex., has been named Acting Chief of the Review and Records Control Branch in the Office of the Civil Air Surgeon, Federal Aviation Agency, Washington, D. C. He will be responsible for supervising the agency's airmen medical records, which total about 250,000 per year.

USAF Orders

From page 8—

Captain

Flint, Eugene A. as Maj.
Graham, William V. as Maj.
Audd, Oren L.
Scott, Kell B. as Maj.
Lafortune, Arthur A. Jr. as Maj.

1st Lieutenant

Harris, Warren L.

Chief Warrant Officer

Henrichs, W-2 Dolph W.
Hatcher, W-3 Earl H.
Gross, W-4 Jim W.

OFFICERS TO TEMP DISAB RET LIST—

Driver, Capt Carl S.
Walton, Capt Lawrence H.
Wood, Capt Robert L. Jr.
Gulyas, CWO-2 Stephen

OFFICERS FR TEMP DISAB RET LIST—

Bunce, Maj Beverley H. as Lt Col. & disch.

RESIGNED—

Borders, Col (Capt) Robert H. 3d.
McDermott, Capt Thomas C. Jr.
Erenea, Capt George P.
King, 1st Lt Lt Carl W.
Mulherin, 1st Lt Anthony T. Jr.
McQuady, 1st Lt (2d Lt) Robert H.
Enquist, CWO-2 Oliver E.

PERMANENT PROMOTIONS—

To Captain
W/DR 60

1 Dec 59: Kopelke, W F, Jr. (ChC).
27 Jan: Wilson, Noel E. Jr; Tixier, E L; Campbell, Jesse W; Glenn, Donat C; Labrosse, Leo J.

29 Jan: Hampe, Philip R. (ChC); Wondrack, Walter M; O'Meara, Gerald M; Donegan, Daniel M; Savera, August; Lamarr, John S; Snodgrass, William F; Smith, Bobby G; Feigley, Bernard C; Kiser, Jack; Macqueen, Raymond B; Maher, John K.

1 Feb: Ringle, Robert D; Kozak, Thomas F.

To CWO-3

28 Jan: Booth, William B. Jr.

29 Jan: Sorensen, Odin E.

1 Feb: Silivinski, Stanley C.

To CWO-2

27 Jan: Wine, Norman D.

28 Jan: Keiser, Wilson A; Palvic, C T; Brennan, Joseph C; Goin, Ronald D; Mee, Benjamin F; Powers, William J; Cawley, R T; Whiting, George G. Jr.

29 Jan: Gray, Pearl; Jones, Francis E; Rhea, Phillip E; Traverse, Arthur J; Hermansen, Barton S; Sandomenico, Venicio A; Hargrove, Isaac D. Jr; Shaw, Francis D.

1 Feb: Johnson, Horace P, Jr; Pete, Harold A. Jr; Bartridge, Albert J.

REGAF PROMOTIONS CONFIRMED—

To Colonel

Larnce, Paul C. (MSC).

To Lt Colonel

Robinson, William B.

To Major

Owens, Jack H; Ortiz-Gordis, E. (MC).

Maj. Cooper Joins FAA; Has U.S., U.S.S.R. Degrees

Maj. Denis Cooper, USAF, Editor of the Air Force Judge Advocate General Bulletin, has been detailed to the Federal Aviation Agency in Washington, D. C., to coordinate USAF international aviation law problems with the FAA.

Major Cooper holds a Doctor of Jurisprudence degree from The George Washington University, a Ph.D. degree from the University of Clug, Romania, and a License degree in law from Chernozitsy University in the U.S.S.R.

He resides with his wife, Henrietta, and three children, Martin W., 15, Le nore B., 12, and Fred C., 10, at 951 North Livingston, Arlington, Va.

To 1st Lieutenant
Gelenter, J. H.

TEMPORARY PROMOTIONS—

To Major

Wolf, Daniel W; Birkland, R K; Furlow, Leo T; Hogan, Robert J; Kolb, James R, Jr; Moyer, Richard A; Kamaras, H J; Ellison, Paul R; Spiewak, S W. (ChC).

REGAF APPOINTMENTS—

As Captain

JA

Howell, Harold; Johnson, Robert E. 2d; Moore, Hilleary D.

MC

Barrett, John W.

ChC

Allen, Milton H; Blach, Ramon W; Davis, Jefferson E, Jr; Gardiner, Homer E; Newton, Willis H, Jr; Ray, Edwin R; Wilfe, Neil F.

DC

Clark, William J; Hutfless, R G; Johns, Robert C; Rogers, Edward W.

VC

Fineg, Jerry; Heidelbaugh, N D; Jones, William L, Jr; McCully, Robert M; Wright, Albert D.

NC

Bakken, Elvira C; Warner, Mary C.

As 1st Lieutenant

MC

Schmitt, Henry J, Jr; Schultz, R J Black

DC

Hargrove, Rufus C, Jr; Harris, Wayne T, Jr; Mello, Arthur F.

NC

Candella, Josephine M; Florence, Susie A; Hale, Beatrice J; Hamilton, Frances A; Kreasky, Anna M; Legalle, Barbara L; McMurdo, Ruth A; Park, Elizabeth L; Scribner, Dolores J; Wagner, Carolyn M.

MSPC

Golson, Mary F; Page, Carolyn T.

MSC

Park, Curtis G; Podkin, Albert; Podkin, Marvin; Schussele, J H; Seal, Daniel H; Shaw, Gordon R; Shelton, Jack L; Skinner, John A; Stansell, M J; Straughn, H E; Targove, B D; Walker, Harold O, Jr; Wedding, J R; Auburn, James H, Jr; Bauer, Robert A; Blum, John L; Choissier, Donald C; Corley, Horace A; Darling, Phillip H, Jr; De Muth, William J, Jr; Deramus, Charles E, Jr; Gildner, John L; Harn, Thomas J; Insley, Richard L; Jacobsen, William G; Kennebeck, Marvin E, Jr; Kratzsch, Paul F; Lindsley, Adolph A; Martino, Charles W; McIntyre, Robert T; Meade, John P; Monk, Joseph C.

VC

Casey, Harold W; Ewing, Dean E; Fuller, Charles E; Hutchinson, Lea R; King, Charles C, Jr; West, Joe E.

JA

Bowden, Fred L; Isenberg, Jerome R; Moniz, Frank T; Olson, Roy A; Ullerich, J C, Jr; Wiltgen, J N.

ChC

Abernethy, Alfred J; Boggs, William G; Cole, Newton V; Eves, A L; Flinn, James E; Franks, William D; Gibson, Vancil V; Lyons, Leo J; Meskenas, Vincent A; Shoupe, Edward E; Smith, Rufus G; Taylor, James R; Vaughn, William J.

As 2d Lieutenant

NC

Greer, Delia F.

MSC

Adams, Gary L; Gaede, Rex D; Gillis, John R; Kirchoffer, W P; Kuchta, J C, Jr; Silva, Donald G; Sulter, R W.

Line

Distinguished Mil Grad, AFOTC
Alger, Harold C; Austin, Richard D; Austin, William W, Jr; Collins, Albert H; Jackson, Wingate A, 3d; Jones, William D, Jr; Newman, Leon B; Shea, David J; Stevens, Gary E.

Distinguished Avn Cadet Grad
Edgett, Conrad B, Jr.

HONORABLY DISCHARGED—

March, Capt John A.

AIRMEN ADVANCED ON RET LIST—

Ward, M/Sgt Farris M. as CWO-2.
McGill, T/Sgt Guy M. to M/Sgt.
Melvin, T/Sgt Charles L. to M/Sgt.

AIRMEN RETIRED—

CM/Sgt: Forsythe, Merrill B.
M/Sgt: Hose, William W; Logan, Lewis D; Wright, Horace S; Kirby, Doyal W; Belangia, Horace E; Aaron, Thomas E; Fossum, T E E; Marquardt, D E; Hallman, Leonard J; Slay, William W; Haas, Richard J; Kelley, Ernest E. as Lt Col.

T/Sgt: Keim, William C; Dillehay, A C; Petey, Albert L, 3d, as M/Sgt; Frazier, Robert N; Phillips, Walter D; Zrowka, Walter; Shelesky, A J; Thomas, James.

S/Sgt: Mitchell, Raymond B.
A/2C: Butts, Andrew J; Cooper, Bobby W.

Navy Orders

From page 6—

Easterling, Henry M, DESFLT FIVE; to CHNAVSEC MAAG VIET NAM SAIGON.
Feely, William F, CGSC FORT LEAVENWORTH DUINS; to OPNAV.
Hirschfeld, Henry G, 9ND; to NAVMAR IANAS.
McCurdy, John D, NABATRAMCOM NAS PNCLA; to CO NAAS MERIDIAN.
Newlove, Paul A, CO USS INGERSOLL; to OFC OF LEGISLATIVE AFFAIRS NAV DEPT.
Pickler, David A, LIVERMORE BR FLDCOM DASA; to USS AJAX.
Rohowits, Gerald M, JSTAFF CINCUNC/COMUSFORKOREA; to PHIBTRAPAC.
Sahaj, Joseph, CO USS BORIE; to STAFF SACLANT.
Stribling, John W, jr, AIRANTISUBRON 36; to SAME RON.
Switzer, George D, AIRTRANSRON ONE; to USS PINE ISLAND.
Wagner, William R, jr, TAIWANPATFOR/FAIRWG ONE; to AEWRON 15.
Wallace, Kenneth C, USS OBSERVATION ISLAND; to CO USS MANLEY.
Cousins, John E, HATRON THREE; to NA TECHTRAU NAS PNCLA DUINS.
Custer, Robert E, HATRON THREE; to CARAIRGRU 12.
Goodwin, John T, USS KEARSARGE; to CO ANTARCTICSUPPACITY DET ALFA.
Henry Alfred J, jr, OPNAV; to NEL SDIEGO DUINS.
Relser, Frank J, jr, OIC NAVINCEPTRAFAF PT PINOS; to NAF MONTEREY.
Swint, Elwin O, (SC), SERVON ONE; to USS PROTEUS.
White, Donald G, NAVSTA SANGLEY PT; to NAB 6ND.
Cure, Harold R, FAIRALAMEDA; to WEST SEAFRON.
Witherell, Roger G, (CEC), OIC NAVCONST RTAU NAVCBEN DAVISVILLE EAST GREENWICH; to BUDOCKS.
Aubuchon, Robert W, OFC OF RESIDENT SUPSHIP CALVERT BLDG BALTO; to BUSHIPS.
Baldwin, Lorenzo W, jr, FAGUPAC; to CO ATKRON 106.
Bush, Burl H, SFRANAVSHIPYD; to NEL SDIEGO.
Champion, Charles H, FLEWEACEN SUIT LAND; to USNAVWEASERV NAVSTA WASHDC.
Gary, Fred B, (SC), ASO FLDSEREP NAB 11ND NORIS; to MSTSWESTPACAREA.
Gillette, Robert W, OPNAV; to 10ND.
Grey, George S, USS GENERAL H W BUTNER; to 1ND.
Ham, Ernest A, (CHC), NAVHOSP NAVB NPT; to PRNC.
Kent, Donald C, (MC), NAVHOSP BAIN; to UNIV OF CALIF MEDCEN SFRAN DUINS.
Larson, Robin E, USS ORCA; to CO NA MOTRAGRU NAS MFS.
Lovington, Joseph A, NAVAIRPLANT; to OSD WASHDC.
Madden, William F, (MSC), NAVANTRA COM NAS CORPC; to BUMED.
McGowan, Edward C, NAVGMGRU ONE; to CO NAVGMGRU ONE.
Medley, Russell C, OPNAV TEM; to CHNAV SEC MAAG FED REP OF GERMANY BONN.
Murphy, Hugh R, CO NAVMARCORES TRACEN LVILLE; to SEVRON FOUR.
Piper, Max A, NELM; to NAS NORVA.
Stevens, Paul F, jr, USS SARATOGA; to OPNAV.
Thompson, John G, AIRTRANSRON SEVEN; to AIRTRANSRON EIGHT.
Virgo, Glenn D, NARTU NAS ANACOSTIA WASHDC; to CO NAVRESTRACEN JONES PT ALEXANDRIA.
Weldon, Robert B, (DC), USS CASCADE; to MARCORCRUITDEP PARRIS IS.
Bonvillian, John G, NAS PNCLA; to NARTU NAS JAX.
Brogan, James M, (SC), USS ORISKANY; to ASO PHILA.
Curry, Matthew A, (CHC), USS NORTHAMPTON; to NAVHOSP NAVB NPT.
Erwin, Mason O, OPNAV; to USNAVWEA SERV NAVSTA WASHDC.
Henderson, Stanley W, USS Lexington; to CO USS FRANK KNOX.
Hickman, Howard K, OPNAV; USNAVWEA SERV NAVSTA WASHDC.
Hirst, William B, jr, FORT MONMOUTH AREA; to NEL SDIEGO.
Killon, Clyde, (SC), USAMILTFMGT AGENCY TFCRGN CENHQ STL; to NAVB SUBIC BAY.
Ulrich, George, jr, (DC), MARCORCRUIT DEP PARRIS IS; to USS CASCADE.
The following officers are ordered from OpNav to the Navy Weather Service, NavSta WashDC:
Livingston, Robert L, Sanborn, Richard W
Mottern, Robert E, Tarnowski, Zemo C

LIEUTENANT COMMANDER
Admundson, Franklin J, NAVSUBINSURV SFRAN; to CO USS TRACER.
Baccaro, Michael V, (SC), USS WASP; to OFC OF INSMAT NAVINDRESHIPYD PORT NEWARK.
Bird, Gerald T, USS ESSEX; to ATKRON 95.
Boland, Paul, USS SOMERS; to CO USS BRIDGET.

Buckingham, Winfred L, SFRANAVSHIPYD; to USS MAHAN.
Comstock, Carol M, NATRAMCOM NAS PNCLA; to JSTAFF CINCPAC.
DeConti, Christine, (NC), NAVHOSP NPT; to NAVHOSP CHELSEA.
Delany, Walter S, jr, BUPERS; to ALUSLO HAMBURG.
Everett, James G, USS DYESS; to CO USS EXPLOIT.
Fowler, William E, FLETRACEN CHASN; to CO SAME CON.
Hansen, Theodore W, NAF MONTEREY; to OIC NAINTERCEPTRAFAF PT PINOS.
Henry, Eugene M, USNAVPGSCOL MONTEREY DUNIS; to PORTSMOUTHNAVSHIP YD.
Johnston, Philip D, jr, CO USS VANCE; to OPNAV.
Lawrence, Kenneth W, USS BENNINGTON; to HATRON FOUR.

McClellan, Thomas G, USS JUPITER; to ATKRON 95.
Powell, Willie D, (CHC), THIRDMARDIV (REINF) FMF; to NAVADMINCOM NTC GLAKES.
Thompson, Christopher S, NAVAIRLANT; to USS AUCILLA.
Jones, Robert S, 1ND; to SEVENTHFLT.
Rickman, Wilford M, USS RANGER; to NAS MFTFLD.
Tait, George L, PAMI CONUS NTC BAIN; to JSTAFF COMUSFORJAPAN.
Allen, Philip H, BUSHIPS; to PORTSMOUTHNAVSHIPYD.
Denham, John G, FLESONARSCOL SDIEGO; to USS OBRIEN.
Dermoddy, Richard J, NAVSCOLCOM NAVB NPT; to USS BEATTY.
Henry, Albert G, jr, NAVCISCOL NAS GLYNCO; to NAVSEC MAAG VIET NAM SAIGON.

Army Navy Air Force Journal 17
13 Feb. 1960 (Vol. 97, P. 657)

Manring, Alvin B, 14ND; to USS DEHAVEN.
O'Connor, Roderick, J, NAVCISCOL NAS GLYNCO; to AEWBARONPAC.
Renn, John E, CARDIV 19; to USS WEDDERBURN.
Riggs, Wallace M, DESLANT TEM; to USS HAWKINS.
Rorman, Harry E, CO MSTSO WHITTIER; to COLUMGRU.
Sullivan, Robert G, USS KEARSARGE; to FLETACSUPPRON 21.
Taylor, Ralph S, NAF LAJES; to AEWRON 15.
Adams, Robert E, OPNAV; to ASST ALUSNA AND ASST ALUSNA FOR AIR BONN.

—Continued on page 21

BELL SYSTEM TEAMWORK IS A VITAL FACTOR IN EFFICIENT, ECONOMICAL COMMUNICATIONS FOR THE NATION

Defense communications benefit from the System's unified research, manufacture and operations

There are great advantages to the public and the nation in the way the Bell System is set up to provide telephone and other communications services. It is a very simple form of organization with four parts.

Bell Telephone Laboratories does the research.

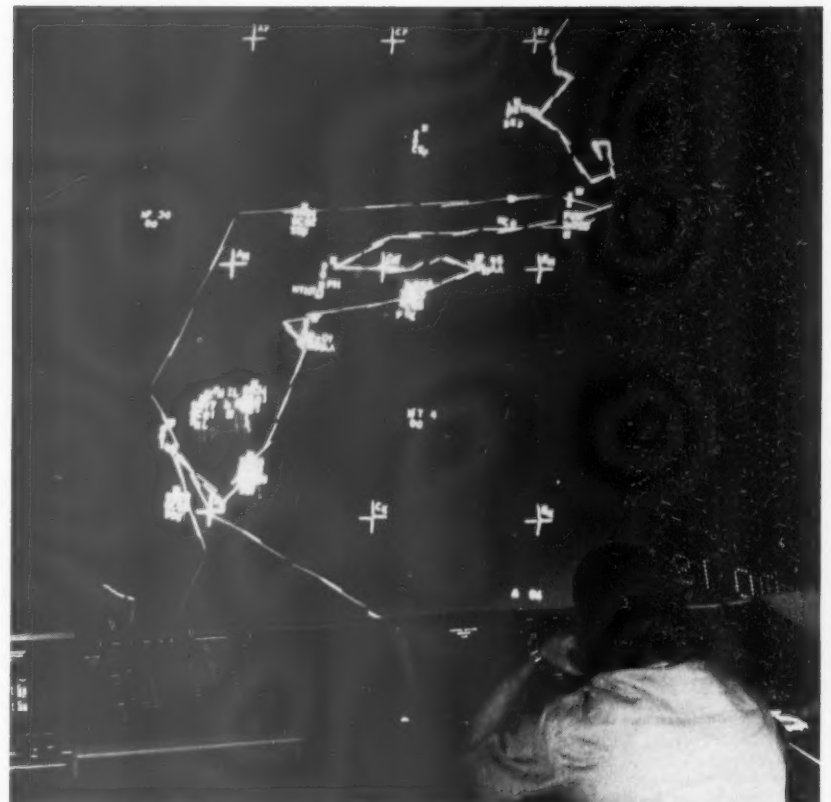
The Western Electric Company is the Bell System unit which does manufacturing, handles supply, and installs central office equipment.

Twenty-one Bell Telephone operating companies provide service within their respective territories.

The American Telephone and Telegraph Company coordinates the whole enterprise and furnishes nationwide service over the network of Long Distance circuits.

Each is experienced and efficient in its own field. But the particular value of each is greatly extended because all four parts are in one organization and work together as a team.

SAGE—a key element in the nation's far-flung air defense network of warning stations, control centers and defense bases—provides a timely example of the value of this completely unified setup.



SAGE NERVE CENTER. Western Electric is the Bell System unit responsible for the management services during the building of the Air Force's vital SAGE project, which is making the nation's air defense semi-automatic. Telephone companies—both Bell and independent—have installed many thousands of new circuits especially for SAGE, and are responsible for maintaining them.

The communications which the Bell System provides for this and other important defense projects are the result of long experience in creating dependable systems.

Research alone couldn't have provided these essential communications. Neither manufacturing nor operations separately could have done it. And just money couldn't have done it, though a lot of money is required.

The simple truth is that these defense communications never could have been created so quickly and so economically without the unified setup and existing network of the Bell System.

Telephone people in all units of the Bell System look forward to providing increasingly flexible, varied and efficient communications services of all kinds to the nation in the years ahead.

BELL TELEPHONE SYSTEM



SERVICE FAMILY NOTES

Family Editor
Louise B. McGiffert

Associate Family Editor
Bertie Johnson

First Lady Unveils Army Distaff Hall Model



MRS. Dwight D. Eisenhower, with an assist from Mrs. Gordon R. Young (right), lifts a parasol to unveil a scale model of the Army Distaff Hall to be built in Washington, D. C.

The unveiling ceremonies took place this month at a luncheon in honor of the First Lady.

Sponsored by the Army Distaff Foundation, the 300-unit Distaff Hall will be constructed as a residence for the widows and other distaff dependents of Army officers.

It will be built on a 14-acre site in North West Washington, overlooking Rock Creek Park.

President of the Distaff Foundation is General John E. Dahlquist, USA-Ret., of the Harris & Upham brokerage firm, Washington, D. C.

Service Families

Mrs. Cary Sittner, wife of Capt. Homer H. Sittner, Quartermaster Corps, US-ARJ, Camp Zama, has been appointed volunteer Nursing Field Consultant for the American Red Cross in the Far East, it was announced by Jack Henry, ARC director of operations. Mrs. Sittner fills the post vacated by Mrs. Gladys Roller, who has returned to the United States and who had been Red Cross volunteer Nursing Consultant for a number of years. Mrs. Sittner was a member of the Army Nurse Corps prior to her marriage. The Sittners have two children. Mrs. Sittner is the daughter of Col. Thomas W. Roane, USA (ret), presently an instructor at the Marion, Va., Junior College.

Gen. Clark L. Ruffner, USA, former Commanding General, Third U. S. Army, will be the honor guest at the February meeting of the Atlanta Chapter of the Military Order of World Wars. Recently promoted to four-star rank and assigned to the NATO Standing Group, General Ruffner is a member of the Atlanta Chapter and will be attending for the last time, before departing for his new assignment.

Other guests will be Maj. Gen. Crump Garvin, USA-Ret, formerly Third U. S. Army Deputy Commander, who will be making Atlanta his home, and Brig. Gen. William H. Wise, USAF, new Commander of the 32nd Air Division, SAGE, with headquarters at Dobbins AFB, Ga.

QMC And Marine Wives Set Dates

The Quartermaster Women's Club will hold a luncheon Thursday, 18 February at 12:15 PM, Ft. Myer Officers' Club. Mrs. Oliver C. Harvey and the wives of Quartermaster officers assigned to the Office of the Deputy Chief of Staff for Logistics will be hostesses for the occasion. Honored guests will be Mrs. Lyman L. Lemnitzer and Mrs. George H. Decker.

The Marine Officers Wives Club of Washington will meet 17 February at 10:30 a.m., for a coffee session at the Bolling AFB Officers' Club.

Guests will be greeted by Mrs. John A. Anderson, President, Mrs. Martin Oelrich, Vice-President, and Mrs. David M. Shoup, wife of the Commandant of the Marine Corps, Honorary President.

Hats from an Arlington shop will be modeled during the coffee by club members. Mesdames Paul Fitzgerald, John F. La Spada, and Paul B. Haigwood.

Hostesses for the affair will be wives of officers of the G-2 Section, Headquarters Marine Corps, headed by Mrs. James M. Masters, and of the Headquarters Bn. under Mrs. John T. Hill.

Bethesda Wives Slate Fashion Show, Dance; IG Group Will Hear China Talk; Clubs Set Valentine, Other Activities

The Navy Doctors' Wives Club were to stage a formal Valentine dinner-dance Friday evening, 12 February at the National Naval Medical Center Officers' Club, Bethesda, Md., which they have called "Cardiac Capers."

Co-chairmen for arrangements for the event are Mrs. Roger H. Fuller and Mrs. Ralph D. Ross, assisted by Mesdames S. L. Arje, M. W. Ballenger, Thomas Foley, J. E. Knowles, Walter Patterson, B. M. Shepard and Wayne Wilson, jr.

One of Washington's leading stores will present a fashion show at the 18 February luncheon of the Navy Medical Service Corps Wives' Club, to be held in the Terrace Room of the National Naval Medical Center Officers' Club, Bethesda, Md.

Mrs. Calvin Johnson and wives of officers attached to the School of Hospital Administration will be the hostesses.

Mrs. Willard C. Calkins, founder of the Club, was voted an Honorary Life Member at the 28 January Board meeting. The Calkins, who settled in California upon Captain Calkin's retirement, keep in close touch with activities and their many friends in the Washington area.

Frosty white balloons and cut-out snowmen set the scene for the Camp Lejeune, N. C., Officers Wives' Club "Winter Wonderland" tea, held in the Main Dining Room of the Paradise Point Club. Over 400 ladies, OWC Group members and guests from MCAF New River, Cherry Point and the Jacksonville area attended.

Mrs. J. Witherspoon, First Vice-President of the Club, assisted by Mrs. S. S. Wade, Mrs. J. P. Berkeley, Mrs. O. M. Conoley, and Mrs. L. F. Chapman, received the guests.

Those pouring at the tea included Mesdames R. D. Strickler and M. C. Harvey, chairman and co-chairman of Group I; F. H. Saitta and A. L. Bressler, chairman and co-chairman of Group III; W. M. Waskom and R. J. Good, chairman and co-chairman of Group IV; J. C. Beau and D. E. Estes, chairman and co-chairman of Group V; W. S. Bartley and J. J. Donohue, chairman and co-chairman of Group VI; R. M. Doezeema, co-chairman, and R. J. Randolph of Group VII, and P. R. Colmer and W. L. Gore, chairman and co-chairman of Group VIII.

Mrs. Raymond A. Wheeler wife of Lt. General Wheeler, USA-Ret, of 3601 Cum-

Mrs. Thomas C. Kinkaid was hostess at tea 8 February to the ladies who will be in charge of hostesses at the dozen open houses during the 19th annual House and Embassy Tour on 6th April for the benefit of the Washington Home for Incurables. That afternoon, between 2 and 6:15, some of the outstanding official and private residences of the city will be open to "tourists" and well-known Washington women will be on duty at each house to greet visitors and point out interesting features of the embassy or home.

Mrs. Charles C. Finucane, whose husband is Assistant Secretary of Defense, will head a group of "Little Cabinet" wives at the residence of the Hon. and Mrs. Clark Thompson. Mrs. Prescott Bush, wife of the senior Senator from Connecticut, will be in charge of other Senate wives at the Embassy of the Union of South Africa, and a group of wives of Members of the House of Representatives, under the direction of Mrs. Carroll Kearns, will be at the Norwegian Embassy. State Department wives will be stationed at the Canadian Embassy under the direction of Mrs. Livingston Merchant, wife of the Deputy Under Secretary for Political Affairs, and Marine Corps wives at the Embassy of Ceylon will be headed by the wife of the Commandant, Mrs. David Shoup. Admiral's House will be staffed by a group of Navy wives under Mrs. Arleigh Burke, wife of the Chief of Naval Operations and

chataine of the imposing residence a-top Observatory Hill, and Army wives, chaired by Mrs. Lyman L. Lemnitzer, wife of the Chief of Staff, will be on duty at the Regency home of Mr. and Mrs. Irving Berger. The wife of the Chief of Staff of the United States Air Force, Mrs. Thomas D. White, will head a group of Air Force Wives at the Brazilian Embassy and "Residential Washington"—headed by Mrs. David Karrick—will be stationed at the Embassy of Iran. The Home's "Visiting Committee" will staff the Apostolic Delegation under the chairmanship of Mrs. George Clark and wives of Washington physicians, headed by Mrs. W. Dabney Jarman, will greet visitors at the home of Capt. and Mrs. Edwin D. Graves. A corps of Red Cross Gray Ladies under the leadership of Mrs. Charles V. Jenkinson will be on duty at the home of Miss Elisabeth Houghton.

All the open houses for the 1960 House and Embassy Tour are located in or near famed Massachusetts Avenue, and are within easy walking distance of each other. Tickets are \$4.50, including tax and refreshments, and will be available at all open houses during the Tour or, by mail in advance, from Mrs. Emerson Bigelow, 2709 Dumbarton Avenue, N. W. Mrs. James Dawson is Chairman of the Board of Directors of the Washington Home for Incurables, and Mrs. Paul Nitze is Chairman of the 19th House and Embassy Tour.

berland St., N. W., Washington, D. C., has been elected to the Board of Trustees of the Army Distaff Foundation. Mrs. Wheeler, until recently was one of the senior lawyers for the International Bank of Reconstruction and Development and its sister institution, the International Finance Corporation.

The Officers' Wives Club of the Antilles Command heard a talk on the present and future role of the U. S. Army Reserve Officers Training Corps from Col. Rafael Montilla, Professor of Military Science and Tactics at the University of Puerto Rico, during the organization's monthly luncheon-meeting at the Ft. Buchanan Officers Mess.

Members of the Club presented a beautiful farewell gift to their departing honorary vice-president Mrs. Amatory M. Ganda, wife of the Antilles Deputy commander.

The Inspector General Officers' Wives Club will meet for luncheon on 16 February at the Moon Palace Restaurant, Washington, where members will hear a talk by Dr. W. Y. Tsao, Cultural Counselor of the Chinese Embassy.

Mrs. Edward B. McDaniel, Honorary President of the group, announced that the hostess chairman for the event will be Mrs. Albert Bruni, and the program chairman, Mrs. Leroy Woodbury.

Hostesses for the February luncheon of the Boston Naval and Marine Officers' Wives' Club were from the Naval Ammunition Depot, Hingham, led by Mrs. Bernard Fruend. Luncheon tables were gaily decorated in a Valentine theme. After a short business meeting presided over by President Mrs. E. T. Steigelman, a lecture on Interior Decorating was given by Mr. Robert Hockenbury, of Seavey's Interiors, Stoneham, Mass.

Engineer Wives Top Distaff Donations



THE Engineer Officers' Wives Club of Washington at its monthly luncheon last week presented a check for \$1700 to the Army Distaff Foundation. General John E. Dahlquist, President of the Foundation, received the check from Mrs. J. Arthur Hamilton, Club President (second from left), while Mrs. Samuel D. Sturgis, Jr., Army Wives Council Representative (left) and Mrs. Daniel J. Flood, wife of Representative Flood, (D-Pa), look on. The contribution marks the largest to be made to the Foundation by any Army organization in the Washington area. The contribution has been raised since September by special projects planned and executed by Mrs. Ellis E. Wilhoit, Chairman of the Club Service Fund, assisted by Mrs. Wilmot R. McCutchen.

Mrs. Flood entertained members with a dramatic reading from Clare Boothe Luce's "The Women." In charge of arrangements and decorations, under Mrs. H. E. Skinner, were Mesdames Howard Brooks, R. J. B. Page and J. B. McNally.

Service Weddings and Engagements

BRIG. Gen. (USAF) and Mrs. Paul W. Scheidecker of 2737 Marilyn Rd., Colorado Springs, announce the engagement of their daughter, Lynn, to 2d Lt. Robert J. Chepolis, USAF, son of Mr. and Mrs. Theodore Chepolis of Pine Brook, N. J.



Photo by Perry
Miss Scheidecker

Miss Scheidecker, a graduate of the Narimasu High School, Tokyo, Japan, is a senior student at the University of Colorado. Her fiancé, who attended Seton Hall Preparatory School in New Jersey, was graduated last June from the USAFA, and is now receiving Basic Pilot Training at Webb AFB, Texas.

A Summer wedding is planned, in Colorado Springs.

HUNTER-SIMONE—Mr. and Mrs. Andrew Stafford of San Francisco, Calif., announce the engagement of her daughter, Irene Joan Simone, to Lt. Howard W. Hunter, jr., USAF, son of Colonel (USA-Ret.) and Mrs. Hunter of 7510 Melvern Pl., Alexandria, Va.

Miss Simone attended the Maryknoll Academy, Dairen, Manchuria, the Convent of the Sacred Heart, Shanghai, China, and Maryknoll College, Manila, P.I. Her fiancé, USMA '54, now attending the Associated Battery Officers Course at the Army Air Defense School, Ft. Bliss, Tex., is the nephew of Commo. (USN-Ret.) and Mrs. A. D. Hunter of Washington, D. C., and of the Secretary of the Association of Graduates, West Point, N. Y., Col. and Mrs. N. B. Wilson.

PETTER-KALEY — Col. (USA) and Mrs. William Elton Kaley of the U. S. Army Signal Depot, Decatur, Ill., announce the engagement of their daughter, Carolyn Ferrell, to Mr. David Petter, son of Mr. and Mrs. John Petter of Arlington, Va.



Photo by Lindquist
Miss Kaley

Now a student at Millikin University, Decatur, Miss Kaley attended the Munich, Germany branch of the University of Maryland and Auburn University, where she was a member of the Alpha Gamma Delta Sorority. Her fiancé, a senior student at the University of Virginia, is a member of the Sigma Chi fraternity.

An early Fall wedding is planned.

HANLE-DEIGHTON — Mr. and Mrs. Lee C. Deighton of Briarcliff Manor, N. Y., have announced the engagement of their daughter, Eve Anne, to Lt. (jg) William Ray Hanle, USN, son of Mr. and Mrs. William F. Hanle of Allentown, Pa. The bride-to-be, a senior student at Cornell University, is the daughter of the Vice President and Manager of the Education Department of the Macmillan Company, publishers. Her fiancé is an alumnus of Cornell's School of Chemical Engineering.

A July wedding is planned.

LEWEN-WHITE—Mr. and Mrs. Albert White of Ballston Spa, N. Y., have announced the engagement of their daughter, Ann Jay, to Lt. Lawrence Stephen Lewen, USMC, son of Mr. and Mrs. Jerome B. Lewen of Flushing, Queens, N. Y.

Miss White is a senior student at Bryn Mawr College. Her fiancé, a *cum laude* graduate of Princeton University, is stationed at Quantico, Va.

ENGEMAN-MEADOR—The Director of Gorgas Hospital, Ancon, C. Z., Col. and Mrs. Clark B. Meador announce the marriage of their daughter, Barbara Jane, to Mr. William Knowles Engeman, son of Mr. and Mrs. George Hyde Engeman of Arlington, Va., 30 January at the Little Falls Presbyterian Church, Arlington.

The bride, who was attended by Miss Elizabeth White of Blackstone, Va., was given in marriage by her father, Mr. John Freund of Providence, R. I., was best man, and ushers were Messrs. Peter Amram and Robert Meador, brother of the bride.

Mrs. Engeman is a student at Pembroke College of Brown University and her husband is studying at Brown, where, following a short Virginia wedding trip, both will resume their studies.

MURPHY-SCOLES — Radm. (USN-Ret) and Mrs. Albert B. Scoles of 639 So. Highland, Ave., Los Angeles, Calif. announces the marriage of their daughter, Margaret Alice, to Mr. Frank E. Murphy, son of Mr. and Mrs. Victor Murphy of Los Angeles, 11 September 1959 at Los Angeles.



Mrs. Murphy

The couple is now at home in Los Angeles.

MERLO-HORNTHAL — Miss Ann Hall Hornthal, daughter of Dr. and Mrs. Henry Amiss Hornthal of Washington, D. C., was married on 6 February to Mr. Richard Bartlett Merlo, son of Lt. Col. (USA) and Mrs. William Joseph Merlo, at the Metropolitan Memorial Methodist Church, Washington.

The bride was given in marriage by her father and was attended by Miss Jane Bigham as maid of honor, and Misses Courtenay Mitchell and Alicia Moran as bridesmaids. Colonel Merlo served as best man for his son, and ushering were Messrs. Albin W. Norblad, III, Lawrence Prescott and Richard Krauss.

The bride, granddaughter of the late Honorable Thomas Hall, U. S. Representative and Secretary of State of North Dakota, was graduated *cum laude* from the Holton-Arms School, and from Randolph-Macon Woman's College, where she was President of the Alpha Delta Pi sorority. Mr. Merlo, a graduate of Harvard University, is a third-year student at Duke University's School of Medicine.

The couple will reside at Durham, N. C.

PETRY-JEWETT — Miss Lee Jewett, daughter of Brig. Gen. (USA) and Mrs. Richard Lee Jewett, was married to Mr. Richard Edward Petry in an afternoon ceremony at St. Hillary's Church, Chicago, Ill., 9 January.



Photo by J. Howell
Mrs. Petry

The bride's mother is making her home at 805 Central Ave., Highland Park, Ill., while General Jewett is serving with the Eighth U. S. Army in Korea. Parents of the bridegroom are Mr. and Mrs. Edward Petry.

Miss Janet Mendenhall of Pomona, Calif., served as maid of honor and Miss Sally Jewett was bridesmaid. Mr. Kenneth Petry was best man for the bridegroom and Mr. Richard Williams ushered.

Following a New Orleans honeymoon, the couple will live at 4124 Oakton St., Skokie, Ill.

DeLORENZO-McFARLANE — Capt. (USN-Ret.) and Mrs. Robert N. McFarlane of Washington, D. C., announce the marriage of their daughter, Charley Trippe, to Mr. Cornelius Alexis DeLorenzo, son of Mr. and Mrs. William DeLorenzo of Hackensack, N. J., 6 February at the U. S. Navy Chapel, Washington.



Photo by Healer
Mrs. DeLorenzo

Miss Anne McFarlane was maid of honor for her sister, and the other attendants were Mesdames Robert Dannemann, sister of the bridegroom, Roy Nordstrand, William Carper and Alfred Weeks, jr. Mr. William DeLorenzo, jr., was best man for his brother, and ushers included Messrs. R. H. Nordstrand, Alfred Uhlmann, J. J. Casby, jr., and G. R. Davies.

Mrs. DeLorenzo is a graduate of Mary Washington College of the University of Virginia at Fredericksburg. Her bridegroom, a graduate of Georgetown University's School of Foreign Service, received a Master's degree from the Wharton School of Finance and Commerce of the University of Pennsylvania, after serving as a lieutenant in the Army.

Following a wedding trip to the Virgin Islands, the couple will live at Ann Arbor, Mich., where Mr. DeLorenzo is with the International Division of the Ford Motor Company.

FISHER-DAINE — In an afternoon ceremony at the Base Chapel, NAS, Alameda, Calif., 19 December, Miss Elizabeth Ellen Daine, daughter of Col. (MC, USA-Ret) and Mrs. Henry W. Daine of 15400 Foothill Blvd., San Leandro, Calif., became the bride of 1st Lt. Robert Lee Fisher, USA, son of M/Sgt. and Mrs. Jay Holland Fisher of Savannah, Ga.



Mrs. Fisher

Attended by her sister-in-law, Mrs. Donn Daine, as matron of honor, the bride, given in marriage by her father, had Mesdames Roy Deffebach, Graydon Sanders and James Wilson as her other attendants. Lt. Charles Brooks served as best man, and groomsmen were Lts. Robert H. Daine, brother of the bride, Joseph Demas and Richard Doyle, while ushers included Capt. R. Deffebach, G. Sanders and Leslie Altstatt, all USA.

Mrs. Fisher, a graduate of Stephens College and the University of Iowa, has been teaching at Carmel, Calif. The bridegroom, who is a graduate of the University of Florida, is stationed at Ft. Ord, Calif.

Following a Southern California honeymoon, the couple are residing at 109 Burma Rd., Stilwell Park, Ft. Ord.

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Army Navy Air Force Journal 19
13 Feb. 1960 (Vol. 97, P. 659)

PEYTON-SEGREST — Mr. and Mrs. Marshall Segrest have announced the engagement of their daughter, Margaret Ramona, to 1st Lt. Murray Stewart Peyton, USA, son of Mr. and Mrs. Hamilton Stewart Peyton of Princeton, N. J.

A graduate of the University of Alabama, the bride-to-be is teaching in Columbus, Ga. Her fiancé, currently stationed at Ft. Benning, Ga., is a graduate of Phillips Exeter Academy and Princeton University.

A Summer wedding is planned.

BOYNTON-KROMER — Miss Caroline Louise Kromer, daughter of the Commander of the Army Engineer Maintenance Center, Columbus, Ohio, Brig. Gen. (USA) and Mrs. Philip F. Kromer of 3170 Mt. Holyoke Dr., Columbus, and Mr. Stephen Slater Boynton were married 30 January at St. Agatha Church, Columbus. The bridegroom is the son of Mr. Charles Boynton, Watertown, N. Y., and Mrs. Muriel Boynton of Silver Spring, Md.



Photo by O. Carlson
Mrs. Boynton

The bride, who was attended by her sister, Mrs. James McMahon of Buffalo, N. Y., as matron of honor, and Misses Karen Keating, Claudia Jordan and Mary Unverferth as bridesmaids, was given in marriage by her father. Mr. Charles M. Boynton served as his brother's best man, and ushering were Messrs. Albert Tabor, Robert Renz, Jorgen Birkeland, James Hopkins and the bride's two brothers, Robert and Henry Kromer.

Both Mr. and Mrs. Boynton are graduates of Ohio State University, where Mrs. Boynton was a member of the Kappa Kappa Gamma sorority, and her bridegroom a past President of the Phi Kappa Psi fraternity.

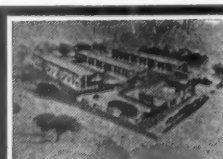
The couple will make their home at 3419-13 Tulane Dr., Adelphi, Md.

PUMPHREY-STEWART—Col. (USAF) and Mrs. Harold Yorke Stewart of the Air Proving Ground Center, Eglin AFB, Fla., announce the marriage of their daughter, Diane Doris, to Mr. Frederick Bruce Pumphrey 1 November 1959 at the Presbyterian Church, Bethesda, Md.



Mrs. Pumphrey

Mr. and Mrs. Pumphrey are now making their home at Camp Springs, Md., where the bridegroom is in business with his father.



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SAC Heads For Rail Alert

From first page—

the operating train crews will be civilian or military personnel.

The largest segment of the Minuteman force will be deployed in hardened underground silo configurations. BMD officials estimate that the cost of a "missile in a hole" will be about \$1.5 million.

This compares with an estimated cost for an Atlas ICBM launching facility of about \$10 million.

According to BMD experts, the Minuteman is expected to provide "the most economical weapon system in the strategic inventory."

First flight tests of the three-stage, solid-propellant Minuteman will be held late this year.

A conference was held in September on the manning plans for the weapon system, and another is scheduled for March.

(Next week's issue of The Journal will highlight additional reports from the staff visit this week to BMD Headquarters. A comprehensive report on BMD by its Commander, General Ritland, was published exclusively in The Journal issue of 16 January.)

TITAN POWER BOOST

SUCCESSFUL static tests have been conducted by Aerojet-General on an improved power plant for the Martin Titan ICBM with thrusts "well over 400,000 pounds."

This is an increase of more than 100,000 pounds over the original design for the LR-87 twin-chamber rocket which powers the first stage of the Titan.

This gain was revealed to newsmen on the ARDC National Press Tour at the Aerojet plant in Sacramento, Calif., by Liquid Rocket Plant Vice President Robert B. Young.

He said that one LR-87 chamber has been tested successfully at a thrust of more than 230,000 pounds.

The second stage rocket for the Titan, the Aerojet LR-91, which produces 80,000 pounds thrust at altitude, is described as five times more powerful than any previous "space started" missile engine in the Free World.

Looking to the future, Mr. Young said that use of liquid oxygen and liquid hydrogen propellants, in place of the kerosene and liquid oxygen combination, will provide greatly improved power for space boosters.

Beyond that, there is the prospective power marriage of liquid hydrogen and nuclear propellants.

Mr. Young gave this comparison of specific impulse ratings. The LOX/Kerosene combination is rated at 350; the LOX/Hydrogen at 450; and the Hydrogen/Nuclear at 800.

He forecast that during the latter part of the 1960's, the United States will be able to place payloads of 5000 to 9000 pounds in orbit.

Marine Corps & Army Eye Italian Howitzer

The Marine Corps and Army are considering inclusion of an Italian 105mm howitzer into their ordnance arsenals.

The Marine Corps has obtained two of the lightweight close-support artillery pieces and is testing one at the Marine Corps Landing Force Development Center, Quantico, Va. The other has been loaned to the Army for evaluation.

Constantly seeking lightweight, break-down weapons and equipment that dovetail with the vertical envelopment doctrine, the Marine Corps is interested in the Italian field piece because it weighs only 2,860 pounds and can be carried by helicopter.

The weapon fires a standard U. S. 105mm shell and breaks down into 16 parts, each of which can be man-carried. It has an average rate of fire of 5½ rounds per minute and a range of about 11,000 yards.

In addition to normal close-support missions, the versatile weapon can be used against tanks by depressing its muzzle for flat-trajectory fire.

The split-trail howitzer is capable of being towed by a lightweight vehicle such as the Corps' "Convertible Mule."

The weapon can be put into action in less than three minutes from a tow position by its eight-man crew.

Operational in the Italian Army, the weapon is being field tested by the British Army and is also under evaluation by West Germany.

Austin Chapter, MOWW, Installs New Officers

The newly organized Austin Chapter of the Military Order of the World Wars received its Charter and held its first installation of officers in the Constellation Room of the Austin Club, Commodore Perry Hotel, Austin, Tex., 29 January.

New officers, all Founding Members of the Austin Chapter, are Col. Albert A. Horner, Commander; RADM. William Y. Allen, Jr., Vice Commander; Col. Thomas C. Green, Adjutant and Treasurer; LCDR. George M. Clarke, Public Relations Officer; and Col. Joseph R. Darnall, Surgeon. Installing Officer was Brig. Gen. Herbert S. Clarkson, a member of the Order's General Staff at Large and a Past Commander of the San Antonio Chapter.

Guest speaker was General William H. Simpson, USA-Ret. Also an honored guest was Maj. Gen. Kearle L. Berry, The Adjutant General of the State of Texas.

Col. Robert E. Joseph, the Order's Commander of Region VIII and organizer of the Austin Chapter, announced that plans are underway for the organization of new chapters of the Order in El Paso, Corpus Christi, Fort Worth, and the Beaumont-Port Arthur area, bringing the number of Texas chapters to eight. Existing chapters are at Dallas, San Antonio, Houston, and Austin.

L/Col. McGinty Heads Ballistic Information

Lt. Col. William J. McGinty will assume duties next week as Information Officer for the Air Force Ballistic Missile Division at Inglewood, Calif.

A recent graduate of the Armed Forces Staff College at Norfolk, Colonel McGinty will take over a post that has been held by Maj. Irving Neuirth, who will become deputy.

flying status as of 1 March.

For the first time last year, rated officers were screened by flight status selection boards on the basis of age, rating, reliability, flying career interruptions, training investments, attitude and effectiveness. This resulted in the selection of the 2,107 officers for removal from flying status.

In previous years, the screening boards had considered age and rating primarily.

Reserve Leaders Meet In Washington



RESERVE Forces harmony was apparent at this meeting of active and Reserve Service leaders in Washington 4 February during the Reserve Officers Association's annual Mid-Winter Conference at the Sheraton Park Hotel. Highlight of the meeting was the announcement 5 February of major changes in the Air Force Reserve program. Shown above, left to right, are: the Honorable Hugh M. Milton II, Under Secretary of the Army; Col. John W. Richardson, USAFR, ROA President; Lt. Gen. William Hall, Commander of the Continental Air Command; and Lt. Gen. Herbert B. Powell, Deputy for Reserve Forces, Continental Army Command.

Chairman Vinson Hits Dollar Measurement In Deciding Needs; Receives VFW Award

From first page—

in Congress, Chairman Vinson said the nation must decide what its defense requirements are "from a strictly military standpoint." For the last 10 years, he said, "We have worried about dollars when we should have worried about a more adequate defense."

Mr. Vinson was awarded the VFW's Distinguished Civilian Gold Medal for his "historic contributions" to the national defense.

He told the gathering an adequate defense "must exist in this Nation at all times regardless of the cost in dollars."

As a classic example of the "defects" in current overall military planning, he cited the fact that the U. S. Navy is getting "smaller, older and over-committed," while Soviet sea power "is on the rise." By 1963, Mr. Vinson declared, "more than 310 ships in our active fleet will be over age."

He said "It is common knowledge that the Soviet Union is far ahead of us in the exploration of outer space. Yet military aspects of outer space are such as to make anyone shudder when one thinks of the possibilities that may result if a space platform, or a manned satellite, circles the earth, keeping it under constant surveillance and relaying this information to a nation that does not have the free world's interests at heart."

He said, "Likewise, there will be a missile gap. It now appears clear that we will not attain Soviet missile capability in the immediate years ahead unless we are willing to make drastic sacrifices now."

The House Armed Services Committee Chairman said he had been consoled by the thought "that we were producing a 2,000 mph bomber, the B-70," but this program, "in an effort to save dollars" has now been reduced, for practical purposes, "to a prototype item which means it will probably never be produced, and certainly not in sufficient quantity to become an effective part of our arsenal."

By cutting back the B-70 program, he said, "We have increased the threat to our own survival."

Chairman Vinson also criticized the Administration practice of withholding funds voted by Congress. In this area, he said, the past 10 years have brought "increasing disregard of the desires of the people, as expressed by their Representatives in Congress, in certain appropriated items for national defense."

If the trend is not reversed, he declared, "the time will have arrived when the

Congress must insist upon exercising its Constitutional rights by establishing manpower floors on the size of the Armed Forces; enacting into law the composition of those forces; and insisting, by appropriate language, on the maintenance of those forces."

Chairman Vinson lashed the "one-track thinking" that the only possible war is a nuclear war. The United States must build a defense that is "capable of meeting any kind of aggression that is thrust upon us," he stated.

He also voiced the conviction that the Armed Forces must have a "stabilized" manpower policy. He said, "We must get our military forces off the roller coaster which has taken them from necessity's peak to the budgeteer's valley. We must have stability in the strength of our military establishment. We must maintain our armed forces, throughout the years ahead, at a strength that doesn't vary from year to year."

In another area, he said one of the greatest services to the strengthening of the nation, would be to "stop tinkering" with the statutory organization of the Defense Department.

Any attempt to junk the Joint Chiefs of Staff and substitute a super high command, he said, would only move the nation "closer to military and political disaster."

Army Promotes Nurses, Med. Service Officers

The Army, in Special Orders No. 29, has promoted 12 Nurses, and 21 Medical Service Corps Officers to the temporary rank of major, effective 10 February.

In the following list the names of ANC officers are preceded by an asterisk:

*Jennie L. Addison	Wallace L. Ostby
*Mary J. Balbo	Charles W. Overbay
Jessie W. Bojorklund	*Ethel Owen
Irvin J. Doudna	*Georgia P. Peterson
Cretin L. Fisher	*Florence L. Petty
Murray Furman	Jacob Pokras
*Ferne B. Grey	Earl O. Frechtel
Charles A. Harris	Glenn W. Scott
*Clyde P. Hartley	*Robbie L. Scott
Alvin H. Hein	Lee R. Searcy
Claude D. Hiesel	Robert E. Shoemaker
*Janie M. Jenkins	*Constance Slank
Glen O. Killey	Robert L. Stevens
*Maria L. LaConte	*Frances Thomas
William B. Ledbetter	Samuel T. Wald
Robert McHenry	William L. Watrous

Airmen Promotions Set

The Air Force has established the following quotas for airmen promotions during the March 1960 cycle: S/Sgt 2,500; A1C 11,000; A2C 15,000.

Navy Orders

From page 17—

Beaver, Chester E. (SC), DIEGOGRU; to J STAFF CINCARIB.
Cooley, Norman V. Jr. (MC), USS LOS ANGELES; to NAVHOSP YOKOSUKA.
Grinstead, Eugene A. (SC), USS FRANKLIN D ROOSEVELT; to BUSANDA.
Korn, Ralph E. BUPERS; to NELM.
Kuhn, John S. PATRON 19; to NAS SO WEYMOUTH.
Kusenberg, Helen C. (NC), NAVHOSP QUANT; to NAVHOSP PORTSMOUTH VA.
Norris, Francis F. AIRTRANSRON 22; to NAS NORVA.
Schlesinger, Helen. (NC), NAVHOSP YOKOSUKA; to NAVHOSP PORTSMOUTH VA.
Smith, Clyde R. Jr. NARTU NAS LAKEHURST to NARTU NAS MFS.
Vanorden, Merton D. NEL SDIEGO; to BUSHIPS.
Voneger, Harold K. USS INDEPENDENCE; to CARAEWRON 33.
Wilson, Kenneth E. Jr. BUSHIPS; to PORTSMOUTHNAVSHIPYD.
Bajus, John C. KWESTEVDET KWEST; to ONR NAVDEPT.
Baker, Mary T. BUPERS; to 11ND.
Bridges, James W. (SC), NAVSTA KODIAK; to NAS NRLNS.
Copes, Robert N. NAF ANNA; to AIRTRANS RON THREE.
Doty, Frederick L. LBEACHNAVSHIPYD; to EASTSEAFRON.
Jugan, Marguerite. (NC), NAVHOSP PHILA; to NAVHOSP SDIEGO.
Mayfield, Stanwix G. III, USS CUSK; to BUPERS.
Mellish, Robert W. BUWEPs; to OFC OF BUWEPsREP BRISTOL.
Morse, John R. FLETACUSUPRON 21 S DIEGO DET; to AIRTRANSRON SEVEN.
Nistle, Kenyon G. (SC), USAMILTFMGT AGENCY TFCRGN SEASTHQ ATLANTA GENDEP FOREST PARK; to JSTAFF USCINCEUR.

Marine Orders

From page 7—

2D LIEUTENANT
Cousins, Edward E. 3d Mar Div, to MCRD PISC.

To MCB CamPen

From MCS, Quant:
Bock, Philip H. Kruger, Alfred L.
Boyce, Edward H. Jr.

To MCS, Quant

Presley, Olen D. Norman, Okla.
Gardner, Michael R. NAS, Pncla.
Hackert, Russell R. CNABATRA.
McDonald, John C. Albuquerque, NMex.

From MCS, Quant to Station Indicated
Noteboom, Kenneth W. USS Midway.
Boone, Frederick E. NavSecGru Acty, Ft Meade.
Howe, David T. FMFLant.
Monroe, Jerry W. USS Lexington.
Kaiser, Gordon W. USS Canberra.
Schon, Peter C. USS Randolph.
Thomas, Hagar E. Jr. USS Oriskany.

To MCB CamLej

From MCS, Quant:
Dougherty, John W. Mallard, Robert A.
Rider, James W. Nevins, Gary R.
Curry, John E. Pizelo, Angelo
Davis, Leonard N. Thomas, Richard E.
Dusseau, Malcolm W.

To 1st Mar Div

From MCS, Quant:
Carter, Robert E. Deal, Frank E.
Hartings, Barclay Epstein, Jerome R.
L...mel, Kenneth G. Floyd, David A.
Hoynes, Edward J. Hanrahan, James G.
Moran, John B. Heilman, Lawrence C.
Proctor, J. M. 3d Kaster, Stephen H.
Rader, Russell W. Moore, William S. Jr.
Diffie, Gerald L. Rutledge, D. H. Jr.
Burnett, Leslie D. Sisson, Winfield W.
McLeland, Donald R. Southard, Frank L.
Laumbach, Dallas D. Stevens, Gary D.
Morgan, H. A. III Thomas, Henry E.
Heginbotham, S. J. Weber, Edward M.
Blennu, Wayne J. Woods, Richard M.
Dwan, John F. Bizzano, J. D. Jr.
Lennartz, Francis J. Capin, Frank L.
Reed, Amos R. Furtado, Robert A.
Baggett, Charles A. Legro, Stanley W.
Beardsley, James E. Tammara, Richard J.
Behmyer, Lynn A. Torinus, John B. Jr.
Black, Samuel E. Williams, John R. Jr.
Bottom, Earle D. Jr. Henderson, David H.
Brown, Dwight E. Hicks, Harold D.
Coplan, Ronald F. Kilday, John J.
Cox, Frank O. Jr. Morris, Maynard R.
D'Amore, Louis J.

To 2d Mar Div

From MCS, Quant:
Adams, Billy W. Taylor, Zelma L. Jr.
Hyatt, Lloyd W. Jr. Thompson, W. S. 3d
Koury, Victor A. Bush, Charles A.
Bernotas, Alphonse A. Crompton, Thomas R.
Rector, Edwin B. Katzin, Kick
Shimota, John E. Bledsoe, L. B. Jr.
Deullis, William E. Phelan, Leo H. 3d
Lyman, Donald O.

To 3d Mar Div

From MCS, Quant:
Cashwell, Richard G. Lannes, William J. 3d
Clarence, Donald L. Freeman, Jay A.
Hunnicutt, John E. Rucksdassel, Rex N.
Searle, Robert E. Burt, Robert "N"
Lawson, Ralph D. Jr. Cornwell, K. L.
Rubin, Charles H. Schwarz, Manfred E.
Abernathy, John M. Carroll, H. G. Jr.
Davis, David N.

To 1st MAW

From MCS, Quant:
Johnston, Ronald I. Bathurst, William E.
Burhans, Arthur D. Jr. Doherty, Shaun J.
Cartwright, David L. Pluth, Robert E.
Johnson, Lewis J. Jr. Tremper, William F.
Marquis, Robert W. Wilkinson, Pierce B.
Powell, Reginald V. Blennu, C. T. Jr.

To 2d MAW

From MCS, Quant:
Faber, Peter R. Herd, Arthur A.
Cartwright, Loren A. Kurtz, William M.
Fornoff, F. H. Schroeder, Gary S.

To 3d MAW

From MCS, Quant:
Strand, Robert H. Everson, Gerard A.
Smith, Frank T. Jr.

To 1st Mar Brig

From MCS, Quant:
Gurley, Patrick J. Land, Edward J. Jr.
Todd, Harry G. Ling, Harry A. 2d
Baler, James F. Mickey, Robert B.
Belcher, William R. Pegler, Richard N.
Dixon, Griggs, G. R. Cassidy, Lawrence M.

To MCRD S Diego

From MCS, Quant:
Brummitt, J. W. Jr. Farrar, Ross W.
Dean, Anthony B.

To ForTrps, FMFLant

From MCS, Quant:
Anderson, Jesse E. Jr. Allen, John S. Jr.
Smith, Lynn A. Schuck, Elwood J. Jr.
Ward, Michael J. Pittman, Ralford L.
Gould, Fred C. Meehan, John L.
McFarlane, Robert C. Marks, Anthony M.
Vecchio, Ralph J. Waldron, R. R. Jr.
Wright, Wilton Huddy, N. W. Jr.
Burgess, Robert E. Edwards, Robert F.
Howe, John A. Dickinson, John
Thompson, T. W. Halbert, Robert O.

To ForTrps FMFLpac

From MCS, Quant:
Johnston, Clyde J. Mitchell, George E.
Dauer, Arthur F. Hoppmeyer, H. E. Jr.
Dove, William G. Jr. Saenz, Ramiro
Gillespie, Bernard M. Rietman, Jan D.
Koppang, James D. Warren, David D.
Neville, William H. Gibson, Wallace C.
Bullock, John A. Jr. Meekins, Edmund L.

To MAD NABTC NAS, Pncla

From MCS, Quant:
Lewis, John W. Messerschmidt, D. B.
Abington, Richard C. Miskow, Kenneth P.
Archambault, A. E. Jr. Bailey, Edward R.
Babbs, Kenneth J. Morris, Robert S. Jr.
Boston, John C. Jr. Muller, Mark E.
Burns, Edmund B. R. Naviaux, Jacques C.
Buske, Kenneth R. Neff, Robert L.
Carr, Donald R. Ostermann, G. A.
Cooper, Richard S. Pieri, Francis L. Jr.
Cupples, Gordon J. Pummil, Jack W.
De Ornellas, C. L. St Amand, Norman
Ducote, James A. Jr. Selby, Mack D.
Eshelman, William P. Shuter, David V. A.
Etcho, Leonard L. Skellenger, James R.
Fairchild, C. R. Stanford, George R.
Fox, Jon I. Town, Kenneth R.
Geis, Royall W. Wilke, Martin R. P.
Hanle, Ray L. Jr. Wilmore, W. S. II
Horsfall, Richard S. Braman, George H. Jr.
Hyatt, Wayne R. Monaghan, Thomas C.
Jackson, Clifford A. Chambers, F. X. Jr.
Jenkins, R. S. Jr. Christensen, Gary E.
Kelley, R. C. Jr. Swingen, Ronald K.
Klely, Denis J. Jr. Larowe, William C.
Knief, John H. Williams, Wayne S.
Menning, F. H. Jr.

CHIEF WARRANT OFFICER

Bouher, W-3 Elmer J. 1st MAW, to MCAS, El Toro.
Okonek, W-2 Mark V. MCB CamLej, to 2d MAW.
Welch, Winifred F. MXRD S Diego, to QMG Scol, Ft Lee, Va.

WARRANT OFFICER

Millang, Harvey B. MCAS, CherPt, to MAD NAS Pax Riv.
Crenshaw, John O. 1st MAW, to MCAAS, Yuma, Ariz.
Parker, George R. Jr. 1st MAW, to Fld Com DASA Sandia Base, Albuquerque, NMex.

RETIRED

Kolp, Lt Col Hall R.
Heintz, Lt Col Edward J. Jr.
Stockdale, Maj Allen F. to temp disab ret list.
Lamm, Capt Mack A.
Lee, Capt Joseph L.
Deason, CWO-4 Alvin J. to temp Disab Ret List.

Deactivate 320th Wing

Deactivation of the 320th Medium Bombardment Wing at March AFB, Calif., will take place next September. Consisting of four B-47 jet bomber squadrons and supporting personnel, the wing has been commanded by Col. Thomas G. Netcher since 10 July 1958.

After September, SAC units at March AFB will be the 12th AD's 22d Bombardment Wing with four B-47 squadrons, the 320th ARS, and Hq. 15th AF with its support units. Transfer to March AFB of the Air Reserve flying activities currently at Long Beach Municipal airport, Calif., will take place in October.

Manages MCX's

Maj. Robert R. Wilson, Executive Officer of Weapons Training Battalion and Assistant G-4 (Logistics), Marine Corps Recruit Depot, Parris Is., S. C., has succeeded Maj. Donald McGuire, Marine Corps Exchange Officer.

Major McGuire has been ordered to the Third Marine Division.

As Officer-in-Charge of the Depot's Exchanges, Major Wilson's duties include management of all Post barber shops, snack bars, service stations and restaurants.

Join NG Advisor Gp, Pa.

Lt. Col. James P. Barry, recently assigned to the U. S. Army Advisor Group (NG) Pa., as Division Artillery Advisor, 28th Inf. Div., PARNG, Harrisburg, Pa., from Hq Seventh US Army Corps, Germany, tied for top honors of the associated course, Ft. Leavenworth, Kans.

He also was awarded the Army Commendation Ribbon with Metal Pendant for meritorious service during the period 20 February 1956 to 1 July 1957, while assigned Battalion Commander, 45th FA Battalion, 8th Infantry Division, Germany.

Colonel Barry has established his residence at 6000 Chambers Hill Road, Harrisburg, Pa.

Capt. Lawrence Valla, formerly a member of the 20th Transportation Battalion, 8th Infantry Division, Bad Kreuznach Post, Germany, was recently welcomed by members of the USA Advisor Group (NG) Pa. upon his arrival for duty. He will serve as Transportation Advisor, 154th Transportation Battalion, PARNG, Milton, Pa., and will reside at Milton.

SCHOOL AND CAMP DIRECTORY

The Schools and Camps listed below are effectively equipped to care for the educational and recreational needs of the children of members of the services and this Directory is recognized as an authentic and reliable aid to service parents in solving the problem of child education. For details as to the Schools listed in this Directory address them directly or communicate with the Army Navy Air Force Journal Dept. of Education, 1710 Conn. Ave., N. W., Washington 9, D. C.

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Births • Marriages • Deaths

(No charge for Service announcements. Please print all names.)

Born

AMBROSE—Berlin, Germany 4 Jan Sfc & Mrs Stanley Ambrose, son, Robert.

ANDERSON—Landstuhl, Germany 17 Jan Sp5 & Mrs William J Anderson, son, William J, Jr.

ANGLIN—Neubrucke/Nahe, Germany 28 Jan Sfc & Mrs J W Anglin, daughter, Cindy A.

BAILEY—Berlin, Germany 21 Jan Sgt & Mrs John P. Bailey, daughter, Diana.

BAILEY—Burderop Park, England 18 Jan S/Sgt & Mrs Elven Bailey, son.

BARBER—West Point, NY 29 Jan Capt & Mrs Ransom E Barber, son, Jeffrey Ransom.

BARRINGER—Syracuse, NY 4 Feb Capt (USA) & Mrs John D Barringer, daughter, Ann Marie.

BEDYNEK—Vance AFB, Okla 27 Jan 2d Lt & Mrs Bruce D Bedynek, son.

BELLOMO—Landstuhl, Germany 19 Jan S/Sgt & Mrs John M Bellomo, son, Beverly A.

BENGTSON—Burderop Park, England 27 Jan S/Sgt & Mrs John E Bengtson, daughter.

BERRY—Ft Leonard Wood, Mo 19 Jan 1st Lt & Mrs Tommie J Berry, daughter, Carol Ann.

BIGGS—La Chapelle, St Mesmin, France 20 Jan Sfc & Mrs Julian C Biggs, son, Josef.

BODINE—Wright-Patterson AFB, O 23 Jan Lt Col & Mrs Francis S Bodine, son.

BOGGS—Fitzsimons GH, Denver 3 Feb 1st Lt (USAF) & Mrs Luther T Boggs, son.

BOUCHER—Burderop Park, England 12 Jan M/Sgt & Mrs George J Boucher, son.

BOWCOCK—La Chapelle, St Mesmin, France 20 Jan Lt Cdr & Mrs Charles S Bowcock, son, Charles S, 3d.

BRADFORD—Burderop Park, England 3 Jan S/Sgt & Mrs Carl L Bradford, son.

BRYAN—Berlin, Germany 1 Jan Sp5 & Mrs Philip W Bryan, son, William.

BULLOCK—La Chapelle, St Mesmin, France 27 Jan Sfc & Mrs Dale L Bullock, daughter, Patricia.

CARMENA—Burderop Park, England 2 Jan T/Sgt & Mrs Emmitt W Carmena, daughter.

CARTER—Sheppard AFB, Tex 17 Jan Capt & Mrs Thomas B Carter, son, Thomas Bryan, Jr.

CARTER—Landstuhl, Germany 17 Jan 2d Lt & Mrs James H Carter, son, James H, Jr.

CASSELL—Berlin, Germany 22 Jan Sp4 & Mrs Clifford P Cassell, son, Robert L.

CHESNEY—Neubrucke/Nahe, Germany 25 Jan 1st Lt & Mrs Ted S Chesney, son, J Kevin.

COLBURN—Burderop Park, England 18 Jan Capt & Mrs Willis C Colburn, son.

COPIN—Landstuhl, Germany 14 Jan Capt & Mrs Charles R Copin, son, Charles R, Jr.

COUCH—La Chapelle, St Mesmin, France 29 Jan Maj & Mrs Raymond B Couch, son, Daniel.

COUITT—Berlin, Germany 2 Jan Sp4 & Mrs James Couitt, son, Steven.

CROW—Sheppard AFB, Tex 22 Jan Capt & Mrs Martin L Crow, son, Nell Allen.

CROWDER—Burderop Park, England 8 Jan Capt & Mrs Marcus Crowder, son.

DAHLSTROM—Landstuhl, Germany 16 Jan Sp5 & Mrs John T Dahlstrom, son, Paul J.

DAVIS—Landstuhl, Germany 17 Jan Sp4 & Mrs Frank C Davis, daughter, Shirley U.

DAY—Landstuhl, Germany 13 Jan CWO-2 & Mrs Kenneth A Day, daughter, Tenya K.

DUKER—Neubrucke/Nahe, Germany 23 Jan 1st Lt & Mrs Robert P Duker, daughter.

DUNLAP—Berlin, Germany 27 Jan Sp5 & Mrs Henry A Dunlap, son, David B.

DUNN—Neubrucke/Nahe, Germany 27 Jan Sfc & Mrs Edmund E Dunn, son, Thomas L.

DUPNICK—Lackland AFB, Tex 30 Jan Lt Col (Ret) & Mrs Aloys F Dupnick, son.

EASTON—Ft McClellan, Ala 27 Jan Capt & Mrs Byron S Easton, son, Dale Alan.

ELSEMORE—Berlin, Germany 31 Jan Sp5 & Mrs Millard J Elsmore, son, William.

ERWIN—Burderop Park, England 25 Jan T/Sgt & Mrs Darvie B Erwin, daughter.

EYER—Neubrucke/Nahe, Germany 23 Jan 1st Lt & Mrs Walter W Eyer, daughter, Erin E.

FERGUSON—La Chapelle, St Mesmin, France 21 Jan Sfc & Mrs Irwin Ferguson, son, Charles.

FERGUSON—Landstuhl, Germany 13 Jan T/Sgt & Mrs Clyde E Ferguson, daughter, Kathy R.

FINNIGAN—Berlin, Germany 24 Jan Sgt & Mrs Patrick W Finnigan, son, Michael.

FLYNN—Wright-Patterson AFB, O 24 Jan Capt & Mrs Edward D Flynn, son.

FORD—Neubrucke/Nahe, Germany 24 Jan Sp4 & Mrs Charles W Ford, daughter, Susan L.

GANS—DeWitt AH, Ft Belvoir, Va 2 Feb Lt Col & Mrs Harry L Gans, daughter.

GASKINS—Berlin, Germany 1 Jan Sp4 & Mrs Sam E Gaskins, daughter, Bertha.

GEIST—Berderop Park, England 7 Jan 1st Lt & Mrs Jack H Geist, son.

GILBERT—Cp Zama, Japan 2 Feb Maj & Mrs Robert R Gilbert, daughter, Trina.

GILBERT—DeWitt AH, Ft Belvoir, Va 3 Feb Capt (USAF) & Mrs William D Gilbert, son.

GODDING—WRGH, Washington, DC 19 Jan Col (USA) & Mrs George A Godding, Arlington Hall Sta, Arlington, Va, daughter, Ruth Alta, granddaughter of Mr & Mrs John Mickles, Ft Lauderdale, Fla, and of Mrs Frank Godding, Lawrence, Kans.

GOLDSTEIN—Berlin, Germany 28 Jan Capt & Mrs Frederick P Goldstein, son, Daniel.

GUTNECHT—Berlin, Germany 28 Jan Sgt & Mrs Richard L Gutnecht, son, James D.

HADLY—Berlin, Germany 30 Jan 1st Lt & Mrs William M Hadly, daughter, Catherine.

HAMILTON—Landstuhl, Germany 19 Jan S/Sgt & Mrs James R Hamilton, daughter, Sandra Y.

HAMPTON—Burderop Park, England 11 Jan Maj & Mrs John Hampton, son.

HARRELL—Berlin, Germany 28 Jan 1st Lt & Mrs John T Harrell, son, John.

HARSHBARGER—Neubrucke/Nahe, Germany 21 Jan Sgt & Mrs Claude W Harshbarger, daughter, Monica M.

HARVEY—Brooke GH, Ft Sam Houston, Tex 1 Feb Capt & Mrs Lynn C Harvey, son.

HAWTHORNE—West Point, NY 26 Jan Capt & Mrs Eugene E Hawthorne, daughter, Leanne.

HEINLY—Ft Stewart, Ga 21 Jan 2d Lt & Mrs Warren C Heinly, Jr, son.

HELMS—Ft Riley, Kans 1 Feb 1st Lt & Mrs Bobby Helms, son.

HEMBACH—Landstuhl, Germany 15 Jan S/Sgt & Mrs Robert Hembach, daughter, Karen L.

HENCH—WRGH, Washington, DC 2 Feb Capt (USAF) & Mrs Richard F Hensch, son.

HESTERLY—Berlin, Germany 7 Jan Sp5 & Mrs Harold L Hesterly, daughter, Patricia S.

HIST—Berlin, Germany 4 Jan Capt & Mrs Cecil W Hist, Jr, daughter, Nancy.

HOEH—Ft Leonard Wood, Mo 24 Jan 1st Lt & Mrs James E Hoeh, son, John Paul.

HOPKINS—Landstuhl, Germany 18 Jan Sp4 & Mrs Robert A Hopkins, daughter, Jo M.

HOUSE—Berlin, Germany 2 Jan Sp5 & Mrs Evert R House, daughter, Linnea.

HOWELL—Burderop Park, England 8 Jan S/Sgt & Mrs Eugene V Howell, daughter.

HUDSON—DeWitt AH, Ft Belvoir, Va 2 Feb Maj (USAF) & Mrs Reed O Hudson, son.

HUFF—WRGH, Washington, DC 2 Feb 1st Lt & Mrs Eskin Huff, daughter.

HUGGINS—Berlin, Germany 1 Jan Sgt & Mrs Samuel O Huggins, daughter, Coty.

JACKSON—Ft McClellan, Ala 25 Jan Capt & Mrs Ralph L Jackson, son, Jeffrey Milton.

JOHNSON—Brooke GH, Ft Sam Houston, Tex 1 Feb Maj & Mrs Robert L Johnson, son.

JONES—Newport, RI 4 Feb Ens & Mrs Douglas W Jones, 386 Green End Ave, Middletown, RI, son.

KEARNS—Lackland AFB, Tex 2 Feb 2d Lt & Mrs Charles E Kearns, 1210 NW 36th St, Lackland AFB, daughter.

KEITH—Ft Eustis, Va recently Capt & Mrs Arthur G Keith, daughter.

KING—Newport, RI 2 Feb Lt Cdr & Mrs Franklin T King, 183 Kay St, Newport, daughter.

KING—La Chapelle, St Mesmin, France 19 Jan CWO-2 & Mrs Raymond N King, son, Denis.

KINOSHITA—Ft Carson, Colo 22 Jan CWO & Mrs George Kinoshita, 609 Aspen Dr, Colorado Springs, Colo, daughter.

KOENIG—Berlin, Germany 9 Jan Sfc & Mrs John Koenig, daughter, Patricia.

KRAUS—WRGH, Washington, DC 3 Feb 1st Lt (USAF) & Mrs Charles K Kraus, daughter.

LAFFERTY—Ft Dix, NJ 27 Jan 2d Lt & Mrs John P Lafferty, Jr, son, John Patrick, 3d.

LANKFORD—Brooke GH, Ft Sam Houston, Tex 27 Jan 1st Lt & Mrs Bobby C Lankford, daughter.

LEWIS—Landstuhl, Germany 16 Jan Capt & Mrs Hilliard H Lewis, Jr, daughter, Janet C.

LIBUTTI—Ft Eustis, Va recently 2d Lt & Mrs Louis R Libutti, son.

LICKERS—La Chapelle, St Mesmin, France 24 Jan Sgt & Mrs George W Lickers, son, Daniel.

LUMPKIN—Neubrucke/Nahe, Germany 23 Jan M/Sgt & Mrs Franky G Lumpkin, son, Shawn W.

MAIELUA—Berlin, Germany 28 Jan Sgt & Mrs Lawrence Maielua, son, Andrew.

MANLEY—Berlin, Germany 1 Jan Sfc & Mrs James N Manley, son, James.

MARTINI—Burderop Park, England 17 Jan 1st Lt & Mrs Ralph J Martini, daughter.

MAZZA—Landstuhl, Germany 18 Jan Capt & Mrs James D Mazza, son, Patrick A.

McDUFFIE—Landstuhl, Germany 18 Jan S/Sgt & Mrs Obie McDuffie, daughter, Linda D.

McFADYEN—Sandia Base, N Mex 14 Jan Maj (USAF) & Mrs James B McFadyen, 3405 51st Loop, Sandia Base, son, Michael Neil.

McGRATH—Berlin, Germany 3 Jan Sfc & Mrs Robert C McGrath, Jr, daughter, Patricia.

McKANNA—Burderop Park, England 5 Jan S/Sgt & Mrs Benjamin F McKanna, daughter.

MEYERS—Landstuhl, Germany 18 Jan S/Sgt & Mrs Norman A Meyers, son, Norman A.

MILLER—Landstuhl, Germany 16 Jan Sp4 & Mrs Gerald Miller, daughter, Gloria A.

MILLER—Burderop Park, England 8 Jan S/Sgt & Mrs Gilbert H Miller, son.

MONDT—Neubrucke/Nahe, Germany 24 Jan Sfc & Mrs Jimmy L Mondt, son, Thomas L.

MOYER—Berlin, Germany 17 Jan Sgt & Mrs George K Moyer, daughter, Deborah.

MULLER—Ft Riley, Kans 30 Jan 2d Lt & Mrs Frederick Muller, daughter.

NELSON—Neubrucke/Nahe, Germany 22 Jan Sp5 & Mrs Douglas E Nelson, daughter, Pamela A.

NEWCOMB—Landstuhl, Germany 14 Jan Sp4 & Mrs William C Newcomb, daughter, Barbara C.

NICHOLS—Neubrucke/Nahe, Germany 28 Jan Sfc & Mrs James H Nichols, daughter, Carol A.

NORDYKE—La Chapelle, St Mesmin, France 21 Jan Sp4 & Mrs David R Nordyke, daughter, Carol.

NORRIS—Sheppard AFB, Tex 15 Jan 2d Lt & Mrs James D Norris, son, John David.

O'CONNOR—Lackland AFB, Tex 1 Feb Capt & Mrs William J O'Connor, son.

PARRAN—Landstuhl, Germany 13 Jan Sp5 & Mrs Benjamin F Parran, daughter, Myra C.

PASQUINO—Burderop Park, England 8 Jan T/Sgt & Mrs Albert Pasquino, daughter.

PIECH—Ft Meade, Md 27 Jan 2d Lt & Mrs Arthur S Piech, daughter.

PINDER—Ft Lee, Va 1 Feb Pfc & Mrs Harvey W Pinder, RR 1, Box 75-D, Prince George, Va, son, Michael Edward.

PITT—Burderop Park, England 17 Jan Maj & Mrs Thomas F Pitt, son.

PLASTER—Brooke GH, Ft Sam Houston, Tex 2 Feb Capt & Mrs Larry E Plaster, son.

POSTLEWAIT—Burderop Park, England 24 Jan M/Sgt & Mrs John J Postlewait, daughter.

RATHBURN—La Chapelle, St Mesmin, France 31 Jan M/Sgt & Mrs Jesse D Rathburn, son, Robert.

RATHUM—Berlin, Germany 26 Jan Capt & Mrs Thomas K Rathum, son, Thomas A.

RAUH—Burderop Park, England 23 Jan Capt & Mrs Jay T Rauh, son.

REEK—Landstuhl, Germany 14 Jan Sp5 & Mrs Robert S Reek, son, Michael S.

REID—Burderop Park, England 21 Jan S/Sgt & Mrs Thomas Reid, son.

REIMER—Burderop Park 6 Jan S/Sgt & Mrs Harry J Reimer, son.

REINHART—Wright-Patterson AFB, O 24 Jan Lt Col & Arthur S Reinhart, son.

REYNOLDS—Fitzsimons GH, Denver 31 Jan 1st Lt (USAF) & Mrs Richard C Reynolds, son.

RITTER—Ft Riley, Kans 30 Jan CWO & Mrs Harold Ritter, daughter.

ROBERTS—Burderop Park, England 17 Jan T/Sgt & Mrs John Roberts, daughter.

ROMAN—Berlin, Germany 12 Jan 1st Lt & Mrs Theodore Roman, daughter, Monica.

ROSARIO—Cp Zama, Japan 28 Jan Sp4 & Mrs Miguel Rosario, daughter, Maria Yoshiko.

RUDDER—Ft Dix, NJ 30 Jan Capt & Mrs Paul L Rudder, daughter, Tracy Jill.

RUHL—Berlin, Germany 3 Jan Sp4 & Mrs Kenneth E Ruhl, son, Andreas.

RUSSUM—Berlin, Germany 8 Jan CWO & Mrs John B Russum, daughter, Paula.

SADOWSKI—DeWitt AH, Ft Belvoir, Va 29 Jan Maj (USAF) & Mrs Vernon L Sadowski, son.

SANCHEZ—Landstuhl, Germany 13 Jan T/Sgt & Mrs Roberto Sanchez, daughter, Sonya M.

SANDERS—Burderop Park, England 12 Jan T/Sgt & Mrs Jerry G Sanders, daughter.

SCHIEB—La Chapelle, St Mesmin, France, 3 Jan Sp5 & Mrs John H Schieb, daughter.

SEWARD—Cp Zama, Japan 29 Jan Sgt & Mrs Wallace L Seward, son, Thomas Eugene.

SHAPEK—Ft McClellan, Ala 30 Jan 2d Lt & Mrs Gustave J Shapek, Jr, son, Gustave Charles.

SHELTMAN—Berlin, Germany 21 Jan Sp4 & Mrs Richard A Sheltman, son, Richard A.

SIEGELMAN—Ft Meade, Md 1 Feb Capt & Mrs Stanley S Siegelman, son.

SIMONE—Berlin, Germany 7 Jan S/Sgt & Mrs Ronald D Simone, son, William.

SIMONS—Fitzsimons GH, Denver 4 Feb Capt & Mrs Bernard C Simons, daughter.

SLACKS—Landstuhl, Germany 14 Jan Sp4 & Mrs Ross M Slacks, son, Mark M.

SMITH—Wright-Patterson AFB, O 21 Jan Lt Col & Mrs Grant R Smith, daughter.

SNOW—Landstuhl, Germany 14 Jan Capt & Mrs Frank G Snow, son, William C.

SOLOW—Ft Leonard Wood, Mo 15 Jan 1st Lt & Mrs Jerome J Solow, daughter, Stephanie Ann.

SPANBAUER—Ft Dix, NJ 28 Jan 1st Lt & Mrs Robert Spanbauer, daughter, Mary Kathleen.

SPIKEY—Berlin, Germany 15 Jan Sgt & Mrs John W Spivey, daughter, Sharon.

STEFFEN—Wright-Patterson AFB, O 25 Jan Capt & Mrs Edward S Steffen, son.

TERRELL—Ft Leonard Wood, Mo 15 Jan 1st Lt & Mrs Larry E Terrell, son, James Walter.

THERRIEN—Brooke GH, Ft Sam Houston, Tex 2 Feb Maj & Mrs Alvin A Therrien, son.

THOMPSON—Berlin, Germany 12 Jan Sgt & Mrs Adron D Thompson, son, Allan.

TULLY—Neubrucke/Nahe, Germany 25 Jan Capt & Mrs Daniel E Tully, daughter, Joan D.

VAN HORN—Landstuhl, Germany 18 Jan Sp5 & Mrs Robert N Van Horn, son, Robert P.

WASKEY—Berlin, Germany 24 Jan Sp4 & Mrs John B Waskey, son, Ralph J.

WATERS—Ft Riley, Kans 26 Jan 1st Lt & Mrs John Waters, son.

WEED—La Chapelle, St Mesmin, France, 16 Jan S4 & Mrs George W Weed, daughter, Linda.

WEICH—Berlin, Germany 22 Jan Sp4 & Mrs Harry E Weich, daughter, Christine.

WHALEN—Cp Zama, Japan 30 Jan Sgt & Mrs John R Whalen, daughter, Angela Agnes.

WHITE—Landstuhl, Germany 13 Jan S/Sgt & Mrs Herbert W White, daughter, Carmen Y.

WHITE—Burderop Park, England 4 Jan S/Sgt & Mrs Roy F White, son.

WIGGINS—Landstuhl, Germany 19 Jan Sgt & Mrs Jay I Wiggins, son, Harmon R.

WILLIAMS—La Chapelle, St Mesmin, France 3 Jan M/Sgt & Mrs Ezell Williams, daughter, Sherry.

WINGATE—Langley AFB, Va 29 Jan 1st Lt & Mrs Dale E Wingate, 604 Spruce Rd, Newport News, Va, son, Gary Dean.

WOOD—Landstuhl, Germany 17 Jan S/Sgt & Mrs Jack Wood, daughter, Elizabeth A.

WOODS—Landstuhl, Germany 14 Jan Sp4 & Mrs Albert Woods, Jr, son, Morris D.

WRIGHT—Wright-Patterson AFB, O 22 Jan Capt & Mrs Edward S Wright, son.

Married

CARLEY-AIDT—St Mary's Catholic Church, Alexandria, Va 6 Feb Miss Dolores C Aidt, daughter of Mrs Charles Louis Aidt, and Mr James V Carley, son of Maj (USMC-Ret) & Mrs Thomas F Carley.

LILLIS-VERNON—St Ignatius Catholic Church, Oxon Hill, Md 9 Jan Miss Joan Katherine Vernon, daughter of Mr & Mrs Donald M Vernon, sr, and Lt Francis Xavier Lillis, USA, son of Mrs Elizabeth M Lillis, Jersey City, NJ.

McKAY-ORMON—Wiesbaden, Germany recently Miss Eva Elizabeth Ormon, daughter of Mr & Mrs Gerald Ormon, Salisbury, Md and Lt Michael Joseph McKay, son of Mr & Mrs Belmont Martin McKay, Ironwood, Mich.

REDMON-DOUGLAS—The Chapel of the Beloved Disciple of the Protestant Episcopal Church of the Heavenly Rest, New York City 5 Feb Miss Mary Coates Douglas, daughter of Mr & Mrs Neil Stewart Douglas of White Plains, NY, and Capt Evan Hayes Redmon, II, USAF, son of Mrs James W McNew, Malibu, Calif, & Mr Evan R Redmon, Memphis, Tenn.

THAYER-JACOBSON—Roguel Heights Methodist Church, Baltimore, Md 30 Jan Miss Barbara Irene Jacobson, daughter of Mr & Mrs Arthur Gustaf Jacobson, Baltimore, and Lt William Stansbury Thayer, USA, son of Mr & Mrs William C Thayer, Baltimore.

Died

BALDWIN—Died 3 Feb Lt James T Baldwin, USN.

CARMINE—Died Walter Reed GH, Washington, DC 3 Feb Col Walter Carmine, USA-Ret, 68. Survived by his widow, Mrs Elsie Carmine of 4 Washington Circle, Alexandria, Va. Burial Arlington National Cemetery.

EVERETT—Died 3 Feb Ens James L Everett, USN.

FERGUSON—Died USAFH, MacDill AFB, Fla 21 Jan Lt Col Viola Ferguson, ANCRet, 77. She was the aunt of Lt Col B R Goutley of Huntsville, Ala. Burial Springfield, Ky.

HANESWORTH—Died Walter Reed GH, Washington, DC 5 Feb 1st Lt Robert W Hanesworth, Ret.

HARRISON—Died Los Angeles, Calif 1 Feb Mrs Edith Wallace Harrison, widow of the late Col Ralph Harrison, USA, and mother of Mrs Ruth Harrison Spaatz, wife of Gen Carl Spaatz, USAF-Ret, of 7405 Oak Lane, Chevy Chase, MD.

HEADRICK—Died Annapolis, Md 15 Dec Mrs Mary Estabrook Headrick, widow of 1st Lt William Jennings Headrick, Jr, who was killed in a bombing mission over Belgrade in 1944, and daughter of the late Brig Gen Merrick G Estabrook, Jr. Survived by one daughter, Marion Ward Headrick, and her mother, who lives at Annapolis. Burial at Mt Auburn Cemetery, Cambridge, Mass.

Braun and his team.
Discussing Astronaut flights beyond Project Mercury, Mr. Ehrlicke said that, just as Air Force pilots today must have many hundreds of hours of flying time to qualify for B-52 training, men on future extended space missions—such as a flight of 360 days to Mars—will need between 500-1000 hours of orbital flights as a qualification.

REACTION TIME SPEEDED:

Atlas ICBM Will Be 'Hardened'; Underground Silos Cut Vulnerability

BALLISTIC MISSILE DIVISION
INGLEWOOD, CALIF.

A multi-million dollar decision has been made to strengthen the Nation's retaliatory striking power by placing the Convair Atlas ICBM in "hardened" configuration in underground silos.

This is revealed here by Maj. Gen. O. J. Ritland, USAF, Commander of the Ballistic Missile Division of the Air Research and Development Command.

Simultaneously with disclosure that new Atlas models will be given added range as a result of improved North American Aviation Rocketdyne engines (see page 26), General Ritland said that missile launching facilities at Vandenberg AFB, Calif., are being modified to permit maintenance of the Atlas in vertical position in concrete-encased underground silos.

The vertical position will cut by about 50% the reaction time of these missiles, compared with the reaction time when they are in the semi-hardened horizontal configuration.

The underground Atlas silo will be about 145 feet deep, with fuel kept in the missile tank and the oxidizer kept in a separate area of the facility.

The first prototype silo is now under construction at Vandenberg.

Future Atlas sites at Warren AFB, Wyo., and Offutt AFB, Neb., will be built underground.

One half of the first Atlas facilities at Vandenberg are now above ground. The remaining squadron launch facilities will be built in the hardened, underground configuration.

Six Atlas squadrons will be in the new hardened configuration.

The disclosure of plans for "hardening" of Atlas sites coincided with the first visit by newsmen, including those on the ARDC National Press Tour, to the huge Convair-Astronautic plant in San Diego.

Covering 252 acres, the 28 buildings represent an investment by Convair of more than \$26 million, with another \$15 million provided by the Air Force for machine tools and other equipment.

Inside the 840 x 640 foot factory building, which is 55 feet high, newsmen saw more than 15 of the Atlas operational missiles and space research boosters being prepared for delivery. The Atlas, which weighs about 260,000 pounds at the moment of launch, is 82½ feet long, 16 feet wide across the flared engine nacelles and 10 feet wide across the tank section.

During the press visit, Krafft A. Ehrlicke, who directs Convair work on Project Centaur, told of progress being made in providing a vehicle that will be capable initially of putting 4½-ton payloads into orbit, or sending large instrumented probes deep into space.

Centaur employs the Atlas as booster and a Convair-built upper stage of Atlas-type construction, powered by a liquid hydrogen-liquid oxygen rocket. An optional third stage is being developed by the Jet Propulsion Laboratory, Pasadena, Calif., under a contract with the

National Aeronautics and Space Agency. Mr. Ehrlicke noted that in addition to performing space missions, Centaur will serve as a payload stage of the Saturn 1.5 million thrust engine being developed at Huntsville, Ala., by Wehrner von

FORMER AF OFFICERS IN ATLAS SPOTLIGHT

SAN DIEGO, CALIF.

THE first press visit to the Convair-Astronautics plant here where the Atlas ICBM is built was marked by the prominent participation of three former Air Force officers. They are:

Convair Vice President and General Manager of the Astronautics Division J. R. Dempsey, USMA '43, who resigned his commission as a colonel in 1953 after pioneer service in the Air Force missile program.

Vice President and Assistant to the President of the Convair Division of General Dynamics Corporation Thomas G. Lanphier, jr., whose father is a USMA '14 graduate. Joining the Air Force in 1941, he flew more than 100 combat missions in fighters, shooting down seven Japanese planes and destroying 10 on the ground. From December 1949 to May 1950, Mr. Lanphier was Special Assistant to then Secretary of the Air Force W. Stuart Symington for Research and Development.

Convair Division Executive Vice President August C. Esenwein, who served as a lieutenant colonel with the Air Materiel Command in WWII.

Colonel Lanphier attracted national headlines during the Atlas press visit for statements he made which were critical of Administration defense decisions, particularly those in the missile field. He said initially at a dinner meeting with newsmen that the President "is taking a dangerous, dangerous gamble with our national survival, both physical and political, I don't think he has that right."

The next day, on 4 February, during a press visit to the Astronautics plant, Mr. Lanphier said that what he meant to say was that, in his personal opinion, the President was being "complacent" about the capabilities of the Soviet missile force to destroy U. S. deterrent strength in view of the quantitative advantage of the Russians in missiles and the failure of the U. S. to mount an airborne alert.

Col. Cipolla to Omaha, Building Missile Sites

Col. Roland H. Cipolla, Air Force Regional Civil Engineer, New England Region, Waltham, Mass., will assume command of the Missouri River Civil Engineer Region Office in Omaha, Neb., on 1 April, it is announced by Maj. Gen. A. M. Minton, Director of Civil Engineering, USAF.

SATELLITE THREAT

THE United States should move as quickly as possible to develop an armed satellite with a "kill mechanism" that would counter its anticipated development by the Soviet Union.

This is the view of Mr. David A. Young, a former head of the Space Technology Division of the Department of Defense Advanced Research Projects Agency.

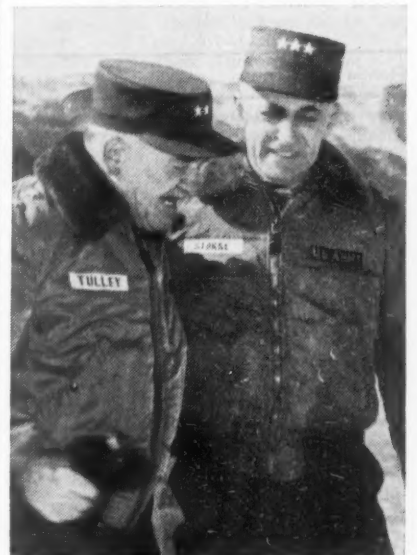
Director of Long-Range Planning for Aerojet-General, Mr. Young told visiting newsmen at Sacramento, Calif., that it is now technically feasible to hurl satellites into space that would be capable of a dual mission: (1) detecting enemy missile operations; and (2) launching weapons, which the space scientists refer to as "kill mechanisms."

In Mr. Young's view, Soviet technological achievements could make it possible within the next few years to counter U.S. strategic missiles, including the Polaris and Minuteman.

Mr. Young declared: "As of today, we are probably safe, but one question is how long it will be so."

What is required, Mr. Young said, is a high priority effort to assure the United States military supremacy in space. He emphasized that technology already developed makes this attainment possible in relatively quick time, provided that Washington gives the go-ahead decision and provides the fiscal support which such a project requires.

Visit In Korea



L T. GEN. H. P. Storke, commanding general, I Corps (Group), right, welcomes Maj Gen. David H. Tulley, commanding general, U. S. Army Japan, upon his recent visit to Headquarters I Corps (Group), Korea. While there, Gen. Tulley attended a briefing by the headquarters I Corps (Group staff) on the mission and responsibilities of those units comprising the I Corps (Group).

Douglas Will Combine Missile, Space Work

Douglas Aircraft Company will consolidate its missile and space systems engineering activities in a new engineering center now being established at Culver City, Calif.

Existing structures at Culver City are being enlarged to accommodate the firm's 3,000 missiles and space systems engineers, scientists, technicians and clerical workers. They will be completed by December, at a total cost of about \$4 million.

At present, the company's missiles and space systems engineering operations are divided between the company's Santa Monica and Culver City locations.

KINCAID—Died at her home at Arlington, Va 5 Feb Mrs Bess Kincaid, mother of Cdr Robert A Kincaid, USN, also of Arlington. Burial Arlington National Cemetery.

RILEY—Died Monterey, Calif 2 Feb Col Don Riley, USA-Ret, 64, veteran of the Mexican Border campaign, both World Wars and the Korean conflict. Survived by his widow, Mrs Imo Palmer Riley, 1152 Arroyo Dr, Pebble Beach, Calif. Burial National Cemetery, Presidio of San Francisco.

SAMPSON—Died 23 Jan LCDr Frank N Sampson, USCG-Ret, Survived by his widow, Mrs Blanche Sampson, PO Box 1602, Carmel, Calif.

SHERWOOD—West Palm Beach, Fla 4 Feb Maj Frank M Sherwood, USMC-Ret, 78. Survived by his widow, Mrs Clara M Sherwood, 3212 So 3d St, Arlington, Va; one daughter, Mrs E Preston Evans of Arlington, and one son, Mr Edwin D Sherwood, Smithfield, Va. Burial Arlington National Cemetery, Wash, DC.

SILER—Died at his home at Washington, DC 7 Feb Col Joseph F Siler, MC, USA-Ret, 84, leading authority on tropical diseases, with a world-wide reputation in the field of preventive medicine, and founder and former President of the Gorgas Memorial Institute of Tropical & Preventive Medicine. Survived by one sister, Mrs Thomas R Frazer of Rome, Ga. Burial Arlington National Cemetery.

SMITH—Died aboard ship while enroute to Europe 17 Jan Maj William Oliver Smith, USAR-Ret., 65. Survived by his widow, Mrs Vandella D Smith, Raleigh, NC; one son, W. O. Smith, jr, Raleigh; and one daughter, Miss Drew Smith, Innsbruck, Austria. Burial Oakwood Cemetery, Raleigh.

STAUFFER—Died Stamford, Conn 7 Feb Mr Joseph R Stauffer, 62, (USMA '20), former Television Program Executive with N W Ayer & Son, Inc. Survived by his widow, Mrs Elinor S Stauffer, 49 E 86th St, New York City; one son, Maj Joseph R Stauffer, jr, Command & General Staff College, Ft Leavenworth, Kans; his mother, Mrs Walter F Stauffer; one brother, and two sisters. Burial USMA Cemetery, West Point.

WALKER—Died of a heart attack 23 Jan Lt Arthur W Walker, USCG-Ret. Survived by his widow, who lives at 2359 Beck Ave, Missoula, Mont.

Name Col. Menter Chief Attorney, FAA Office

Col. Martin Menter, USAF, has been named Chief Attorney, General Law, in the Federal Aviation Agency's Office of the General Counsel. He had been a student at the Industrial College of the Armed Forces at Ft. McNair, prior to his present assignment.

Colonel Menter is a Judge Advocate of the USAF, and a member of the Bar of the State of New York, of the Supreme Court of the United States and of the Supreme Court of Japan.

He was recently appointed for a two year term as a member of the Standing Committee on Aeronautical Law of the American Bar Association. In addition, he is a member of the Committee on Space Law of the International and Comparative Law Section of the Association.

Colonel Menter resides with his family in Somerset, Chevy Chase, Md.

What's Ahead

The National Electronics Conference will be held at the Hotel Sherman, Chicago, Illinois, on 10, 11 and 12, October 1960. Authors of papers are invited to submit abstracts of 100 to 150 words (for publication in program) and either a 400 or 500 word summary, or the completed paper for review. Deadline for papers is 1 May 1960. Papers should be submitted to: Prof. Thomas F. Jones, Jr, NEC Program Chairman, School of Electrical Engineering, Purdue University, Lafayette, Ind.

Lockheed Acts To Buy 50% of Rocket Firm

Lockheed Aircraft Corporation has announced that it has reached an agreement to acquire 50 per cent interest in the Grand Central Rocket Company of Redlands, Calif.

No terms of the agreement were disclosed beyond a statement that the company expects to pay cash for the Grand Central Rocket common stock which it acquires. Grand Central Rocket is the nation's fourth-largest firm in the solid propellant field.

Lockheed Chairman Robert E. Gross says the acquisition is aimed at rounding out Lockheed's missile, satellite and spacecraft capabilities.

Elect Skeen To Board Of Temco Aircraft

Clyde Skeen, newly-chosen executive vice-president and general manager of Temco Aircraft Corporation, has been elected to the company's board of directors, President Robert McCulloch announces.

Mr. Skeen becomes the eighth member of the Temco board of directors. Others include McCulloch; H. L. Howard, financial consultant, Dallas; D. H. Byrd, D. H. Byrd Enterprises, Dallas; James M. Cumby, senior vice-president of the Republic National Bank, Dallas; O. R. Moore, president of the American Security Insurance Company, Atlanta, Ga.; H. N. Mallon, chairman of the board of Dresser Industries, Inc., Dallas, and Harold F. Volk, president of Volk Brothers Department Stores, Dallas.

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General Twining Makes Some Comments On Premier Khrushchev's Statement

The current interest in the announced plan of Premier Khrushchev concerning a possible cut in Soviet military forces makes pertinent the publication of the following comments on this subject made by General Nathan F. Twining, JCS, Chairman, during Congressional hearings on the fiscal '61 budget:

I do feel that anything that Khrushchev announces requires a great deal of study before we can accept it. For instance, we have been concerned because he has not come down to the figure of 2,500,000 already.

We do not like the idea of negotiating in a disarmament conference with him when we are down to 2,500,000 and he is not. He has the edge on this. We feel he should come down to that and then we are ready to go to conference with him. You cannot tell what his cuts mean in the case of a powerful nation like that, where it is controlled practically by him. He is the field marshal and he decides where things are built, why they are built, and how the money is spent. He runs it. He can change the titles of these soldiers. He can do anything he wants with them and say that he is reducing, but we

have to make sure he is.

He is a tricky fellow and you know him better than I do. We have to watch him very carefully but it certainly looks like a good trend if he is honest. But we must first study it.

Sperry Provides Gear For Atomic Cruiser

The Navy's first nuclear-powered cruiser, USS Long Beach, will be fitted out with the latest in missile-guidance and tracking radars developed and produced by Sperry Gyroscope Co.

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The equipment to be installed aboard the Long Beach includes four AN/SPG-55 radars (for use with the Terrier missile); two AN/SPG-49 radars (for use with the Talos missile); two Mark III computers to compute the best missile flight path; two SPW-2 radars which generate guidance beams; and one WDE system (Weapon Direction Equipment) to display, evaluate and assign targets.

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MEDICAL NOTES:

L/C Webb Is Entomology Chief; Society Of AF Clinical Surgeons Meets In April

Lt. Col. Joseph E. Webb, Jr., MSC, has been appointed Chief of the Entomology Section in the Army Surgeon General's Preventive Medicine Division. In his new assignment, Colonel Webb will be concerned with environmental factors that adversely effect the health of troops, especially factors relating to medical entomology.

The annual meeting of the Society of Air Force Clinical Surgeons is to be held at the USAF Hospital, Travis AFB, Calif., 13-15 April. This meeting will include original papers in various clinical-surgical specialties to be presented by members of the society and invited guests. Moderators and collaborators have been chosen from among senior Air Force Surgeons, national consultants to the Surgeon General and specially invited medical authorities in the San Francisco Bay area. Col. Ralph P. Camp, Chief of the Department of Surgery, USAF Hospital, Travis, is the program chairman for the forthcoming annual meeting.

Major Ralph C. Singer, MC, was recently appointed Chief of the Environ-

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PHOTOGRAPHY

Weddings—Babies—Portraits—Maj. Norman MacVicar, Ret. Graduate, Brooks Institute of Photography, 5509 Broad Branch Rd., NW, Washington 15, D. C., Tel. EM. 2-5509, Evenings.

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U. S. COAST GUARD

Secretary of the Treasury—Robert B. Anderson
Commandant—Vice Adm. Alfred C. Richmond

CAPT. James B. Rucker, assigned to the 8th Coast Guard District, New Orleans, heads the list of five officers who ended their careers 1 February.

Lt. (jg) Jack R. Lovell retired for physical disability.

CWO Melvin P. Cramer completed 30 years' service.

CWO's Edward J. Fraser and Ralph P. Beauchamp retired after 20 years' service.

In addition to the retirements carried on the 1 February list, there were three resignations by Lieutenants Arthur E. Champagne, George W. Dick, Jr., and Harry F. Gregg.

Assignment Changes

Captain

Bowman, Carl G, CGD12 (Assigned collateral duty as Deputy COMWESTAREA).

Commander

Pfeiffer, Victor, HQ (Designated Asst Ch CPA Div).

Lieutenant Commander

Carter, Thomas H, OGAS, Port Angeles, to CGAD, Kodiak.

Rea, Robert N, HQ (OSU) to COURIER (XO).

Rush, Benjamin F, INGHAM, to ABSECON. Winbeck, Elmer, COURIER (XO), to RECEN, Cape May (Duty).

Lieutenant

Carlston, Robert A, Chanute AFB (Dulles) to CGAD, Barbers Pt (Aero Engr-Difot).

Claborn, William R, CGAS, S Diego, to CGAD, Kodiak.

Guthrie, John C, Jr, GENTIAN (XO) to CGD3 (Admin).

Moseley, John E, Chanute AFB, to CGAD, Guam (Aero Engr-Difot).

Paulsen, Harold A, Jr, HEATHER (XO), to HQ (EEE).

Lieutenant (jg)

Buby, Thomas P, YOCONA, to HQ (EEE).

Cutts, Norman E, CGD7, to GENTIAN (XO).

Footit, John E, DUANE, to CASTLE ROCK.

Franke, Kenneth F, MENDOTA (Engr Duty), to MIO, NORleans.

Hynds, Robert E, SPENCER (Engr Duty) to MIO, NY.

Kelley, Wallace F, PONTCHARTRAIN (Engr Trng) to HEATHER (XO).

Morgan, Jack P, WACHUSETT, to MIO, Seattle.

Spiker, Philip R, CASCO (Engr duty) to MIO, Cleve.

The officers listed below are ordered from the indicated duty to NAS Pensacola for a Basic Fleet Training Course:

Kaufmann, Paul F, WPB-95314 (CO).

Roughgarden, Kenneth M, CASCO.

Schissler, Robert M, CASTLE ROCK.

Smith, Stevens H, ABSECON.

Ensign

Pemberton, Norman D, GRESHAM, to MIO, Sfran.

Roy, Robert A, COMANCHE, to YOCONA.

WO-1

Hatfield, Charles A, RadSta, Miami (OinC) to RadSta, Long Beach.

Rickett, William M, WALNUT to MACK-INAC.

Umlauf, John R, MACKINAC to Base, St George (Admin).

Cdr. Grader Commands Sixth Fleet's Shadwell

Cdr. Donald L. Grader has relieved Cdr. Ben W. Blee, as commanding officer of the Shadwell LSD-15.

A ship of Amphibious Squadron Six, Shadwell is serving with the Sixth Fleet in the Mediterranean.

Commander Blee will serve as Senior Naval Liaison Officer Singapore, State of Singapore and U. S. Naval Attache and Naval Attache for Air, Kuala Lumpur Federation of Malaya.

Commander Grader reported from Newport News, Va., where he was Administration Officer for the Supervisor of Shipbuilding.

Commander Grader is married to the former Mary Van Luit of Cleveland. They have three children, Martha, William and Holly.

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INDUSTRY IN DEFENSE

Rocketdyne MA-3 Propulsion System Will Give Added Range To Atlas Missile

SAN DIEGO, CALIF.

OPERATIONAL-TYPE Atlas ICBM's, being built here for the Strategic Air Command by the Convair-Astronautics Division of General Dynamics Corporation, will be given a power boost in its present thrust of more than 360,000 pounds at sea level.

This was reported to a group of newsmen making the first press inspection tour of the Atlas plant last week by Mr. Samuel K. Hoffman, North American Aviation Inc. Vice President and General Manager of the Rocketdyne Division.

Mr. Hoffman said the fourth model of the Atlas propulsion system, which was designed and built by Rocketdyne, will provide a lighter, simpler, but more powerful version than its predecessors.

The MA-3 will be more than 100 pounds lighter than the current system and will have about 15% fewer parts.

Under development since October 1958, the new MA-3 propulsion system, which

weight of about 260,000 pounds. The missile is 75 feet long and 10 feet in diameter.

More than 4000 Atlas engine test firings—including 600 test firings of the MA-3 model—have been conducted at Rocketdyne's Propulsion Field Laboratory in the Santa Susana mountains of California to perfect the propulsion system.

Each rocket engine in the Atlas propulsion system is designed to perform a specific job. The two booster engines provide thrust to lift the heavy missile from its launching site. They are jettisoned after operating for the programmed duration, when they have boosted the Atlas to high speed and high altitude.

The single-chamber sustainer, designed specifically for efficient high-altitude performance, ignites at launch with the boosters but continues firing after the latter is jettisoned. The sustainer supplies the thrust necessary to continue powered flight and to keep the Atlas on course in the thinner air of the fringes of space.

Directional stability of the missile is maintained by swiveling the large engines of the propulsion system. The engines are mounted on gimbals—a part of their assembly—and moved by struts actuated by the guidance equipment of the missile.

Roll control is provided by the propulsion system's vernier rocket engines, small auxiliary units for precise thrust adjustments. They are mounted on the side of the missile and are also gimbaled for movement.

All engines of the Atlas propulsion system develop thrust from the propulsive gases created by the combustion of liquid oxygen and RP-1, a kerosene-type fuel evolved specifically for rocket engines. Combustion occurs at temperatures above 5,000 degrees Fahrenheit. Thrust chambers of the engines are cooled to withstand this heat by the flow of RP-1 fuel through the hollow tubes which form the thrust chamber walls. The fuel is forced at high speed through the tubes and into the combustion area by the engine's high flow, lightweight turbopumps.

USAA Has Successful Year

The United Services Automobile Association of San Antonio, Tex., has had another highly satisfactory year in 1959, according to figures released by Col. Charles E. Cheever, USA-Ret., its President.

RUSSIA TO MARS?

"It is my personal opinion that Russia will try for Mars in August or September of 1960."

This is the prediction of noted space authority Krafft A. Ehrlicke, Director of the Centaur Program for Convair-Astronautics in San Diego.

He made this comment in answer to a reporter's question during the ARDC National Press Tour visit to the Atlas manufacturing facility.

like its predecessors consists of two low-altitude booster engines, a high-altitude sustainer engine and two small vernier engines, is being built at Rocketdyne plants in Canoga Park, Calif., and Neosho, Mo.

In an appearance 4 February before the Institute of Radio Engineers in Los Angeles, during which he disclosed plans to place the Atlas missile in hardened Silo configurations (see Page 1), Maj. Gen. O. J. Ritland, Commander of the Air Force Ballistic Missile Division, said that "we are building a considerably greater range into the series E missiles, now in production."

The Atlas (SM-65) is designed to deliver a thermonuclear warhead more than 6000 statute miles at a takeoff

North American Weapons Manager Says B-70 Operational Dates Could Still Hold

From first page—

strength, would voluntarily abandon the one category of strategic weapons in which we clearly lead and would continue to lead with the B-70," Weapon System Manager Jones declared.

Observers at the news conference, held within 300 yards of where a mock-up B-70 was held from sight because of security decisions, included Col. G. F. Keeling, Air Force Senior Plant Representative for North American Aviation, and his assistant for the B-70, Lt. Col. Max Boyer.

Another key participant in the press briefing was Al White, North American Aviation's Chief B-70 Pilot and the No. 2 Pilot for the X-15.

In answer to newsmen's inquiries, Mr. Jones said that the cost of developing, flight testing and building the first 64 Valkyrie bombers—enough for the first wing—would be about \$3.3 billion.

This cost includes the heavy R&D outlays. To build 250 Valkyries, enough for 5 wings, would require about \$6.5 billion.

Secretary of Defense Gates, in recent Congressional testimony, has said that the Pentagon's decision to "reorient" the program to a prototype status was

a modification of what had been proposed as a \$5.5 billion program.

Newsmen here saw as particularly significant the comment of Mr. Jones concerning a B-70 program "reinstatement by about the middle of the summer" as particularly significant since, of

PERTINENT QUOTE

Newsmen attending the B-70 briefing in Los Angeles were given a chuckle when a sign was posted which quoted the words of President Calvin Coolidge.

"Why can't we buy just one airplane," said President Coolidge, "and let the aviators take turns flying it."

course, that time reference is after the end of the current session of Congress.

There has been mounting support on Capitol Hill during recent weeks for expanding the B-70 prototype program.

Statements have been made by persons familiar with the B-70 progress that an operational capability could be attained by the Strategic Air Command in 1964-1965.

MISSILE MANUFACTURER ON MANNED AIRCRAFT

A top missile manufacturer, Convair Vice President Thomas G. Lanphier, Jr., has declared that the Nation should follow the counsel of General Thomas S. Power, SAC CinC, and launch an airborne alert.

Meeting with newsmen at Convair's huge Atlas plant in San Diego, Mr. Lanphier said that decisions made in the past now make it impossible for at least two years to overcome the Soviet numerical superiority in missiles.

Strongly urging bold decisions to reverse this situation in the missile-space field, Mr. Lanphier emphasized that the Nation must rely heavily for the present on the manned aircraft of SAC. He said that Soviet missile power will make possible the destruction of the Nation's retaliatory striking power, unless action is taken to mount the airborne alert.

Sees Vigorous R&D Programs Needed To Assure Aerospace Industry's Future

Unless something is done to reverse present trends, the aerospace industry will continue to decline during the coming decade and its character will change by diversification into other lines.

To a large part, Mr. J. R. (Russ) Clark, General Manager of Vought Astronautics, told the Washington Section of the Institute of Aeronautical Sciences 9 February, the solution to this industry's problem lies in the vigorous support of research and development programs in both military and civilian aerospace fields, which will provide not only for national economic growth but also for an acceptable military posture.

"The danger is not in starting too many research and development projects," Mr. Clark said, "the real danger is in not starting enough."

In this area, Mr. Clark said, "military expenses are used as the indicator of aerospace activity since they respond to advances in technology and resultant new weapons systems, while civil aviation historically adapts to the advances created by military exploitation."

"I think it is reasonable to state that there wouldn't be much of an aerospace industry if it were not for continuing military aerospace expenditures. If we had depended solely on commercial exploitation we might still be flying DC-3's transcontinentally," he stated.

Mr. Clark reported that the "diminishing profit margins in the aerospace industry compared to other major U. S. manufacturing industries is disturbing.

A. V. Roe Canada Opens Office In Los Angeles

The A. V. Roe Canada Limited Aeronautical Group of companies have established an office in the United States for the convenience of the U. S. Armed Forces and Industry. Located at 8921 Sepulveda Boulevard, Los Angeles 45, California, the office will be the representative, U. S. center for the following A. V. Roe Canada companies: Avro Aircraft Limited, Orenda Engines Limited, Canadian Applied Research Limited, and Canadian Steel Improvement Limited.

Heading the office is William R. Stephens, Technical Sales Manager, U. S., for A. V. Roe Canada Limited Aeronautical Group, who brings 18 years of engineering education, military service and industrial experience to this assignment. His previous association with the A. V. Roe Canada Aeronautical Group was that of Military Sales Manager of Avro Aircraft Ltd. Assisting Mr. Stephens on the all-technical staff are Mr. William C. Walter, Product Planning Manager, and Mr. Stephen H. Allen, Industrial Sales Engineer.

... Of particular concern is the current trend to expect industry to share more and more the cost of military research and development from less and less earnings to support such cost."

Mr. Clark charged that "unless there is a greater depth of national awareness of the impact of tremendous technological changes on our military posture, and a deeper awareness in the aerospace industry itself for the impact of change, then we can predict that during this 1960-1970 decade the aerospace industry will continue to decline and its character will change by diversification into other product lines, by acquisition of other companies with different product lines; and, or, by being absorbed by other industrial organizations with different product lines.

"By 1970," he said, "there will be fewer aerospace companies identified as producing solely aerospace products."

"The decline in stature and output of the aerospace industry will be accelerated by these factors," the Vought General Manager predicted:

- "Less quantity and greater technological complexity of future vehicles.
- "Overlapping of traditional aerospace industry technological capabilities with some complementary capabilities in other type of industries.
- "Trend toward basic reliance for national defense on a relatively few complex, automated, long range missile systems.

Hébert Proposal Hit By Civil Service

From page 11—

tion of the Government, and that the recommendations of this group should be considered before any final action is taken on the conflict-of-interest laws. Secretary Finucane said he understands the study has been completed.

The Defense Department manpower chief backed the Hébert proposals to ease the dual-employment, dual-compensation statutes. The Civil Service Commission said the proposal, in this respect, "seems inequitable and adds an additional complication to an already over-complicated subject."

The new prohibitions affecting all Federal employees and officials, including members of Congress, are so tight that they would even prohibit a Government employee "from preparing an income tax report for a member of his family" or "from serving as a character witness in an administrative or court action," the Civil Service Commission said.

The language prohibiting retired officers from taking sales jobs for two years after their retirement would appear to bar their employment "in practically any capacity with defense contractors," the Commission said.

The Civil Service evaluation also covered numerous other points. It summed

up by urging the Armed Services Committee not to take any action "until comprehensive revisions can be considered."

Further hearings on the proposal were postponed in order for the Committee to

RE-DEFINE "SELLING"

Here is the new definition of "selling" proposed by the Defense Department:

- "Sell (selling, sale) means
- "1—Signing a bid, proposal or contract
- "2—Negotiating a contract, or
- "3—Contacting an officer or employee of the Department of Defense for the purpose of:
- "(i) Obtaining or negotiating contracts,
- "(ii) Negotiating or discussing changes in specifications, price, cost allowances or other terms of a contract, or
- "(iii) settling disputes concerning performance of a contract."

begin hearings 15 February on the annual Defense Department military construction authorization bill which must be cleared for early floor action. No new hearing date was set.

RETIRED ACTIVITIES:

Former Director AF R&D Joins Bulova; B/G Van Syckle To Head Aerojet Abroad

MAJ. GEN. James McCormack, USAF-Ret., former military chief of the Atomic Energy Commission, has been elected to the board of directors of the Bulova Watch Company, Inc., it is announced by General of the Army Omar N. Bradley, Bulova board chairman.

General McCormack, now a vice president of Massachusetts Institute of Technology, will devote major attention to Bulova's research and development activities and to its expanding operations, General Bradley said.

Before joining the staff of M.I.T. General McCormack served more than a year as director of research and development for the Air Force. From 1947 to 1951 he was director of the Division of Military Application for the Atomic Energy Commission.

Establishment of an Office of Foreign Operations for the development and conduct of all Aerojet-General Corporation's activities abroad, has been announced by William E. Zisch, Vice President-General Manager.

Brig. Gen. David L. Van Syckle, USA-Ret., has been appointed Director of Foreign Operations. He will report to Dr. A. L. Antonio, Vice President-Chemical Division, who has full responsibility for all Aerojet business overseas.

Aerojet's foreign operations are conducted in principal Western European States and in the Far East.

Brig. Gen. Richard W. Hayward, USMC (Ret.), Aerojet's foreign business representative in Washington, D. C., will continue to represent the company's foreign interests in that area, reporting to Gen. Van Syckle.

RAADM. D. H. Day USN-Ret., heads a Reynolds Metal Company project to design an aluminum research submarine for exploring the ocean's floor.

The submarine, called "Alumnat," will be similar in purpose to the Piccard "Trieste" which is now in operation in the Pacific, but will be roomier and have a cruising range of nearly 100 miles as opposed to the Trieste's one-quarter mile.

Three observers will be accommodated within the Alumnat's hull.

Carrying a pilot, two observers and 3,400 pounds of scientific equipment, the Alumnat will be able to dive to 15,000 feet for periods from 36 to 72 hours.

The Board of Directors of United Research Inc., of Cambridge, Mass., announces the appointment of Capt. Charles Stein, Jr., USN (Ret.) as Vice President in charge of management research. Captain Stein goes to URI from the faculty of the Harvard Graduate School of Business Administration.

Captain Stein served for over 20 years in the Navy. His last assignment was Director of Research and Development of the Bureau of Supplies and Accounts.

Temco Will Build Parts For Lockheed P3V-1

An initial order for components of the P3V-1, the Navy's newest anti-submarine patrol plane, has been received by Temco Aircraft Corporation from Lockheed Aircraft Corporation, Burbank, Calif.

The P3V-1 is the anti-submarine adaptation of the commercial prop-jet Electra, for which Temco manufactures ailerons, flaps, wing leading edges and tips. Production for the P3V-1 will consist of similar components.

Aerojet Sales Up

During the fiscal year ended 30 November, 1959, Aerojet-General Corporation's sales reached a new high of \$364,401,200, an increase of 67 per cent over the previous high level of \$218,375,281 established in 1958, Dan A. Kimball, President, announces.

Profits before taxes were \$17,478,323, compared to \$12,627,827 a year ago, a gain of 38 per cent; and profits after taxes were \$8,203,323, compared to \$6,027,827, a gain of 36 per cent.

He and his wife, the former Jane Weygandt, live with their three sons in Lexington, Mass.

United Research Corporation of Menlo Park has changed its name to United Technology Corporation, according to an announcement by Lt. Gen. Donald L. Putt, USAF (Ret.), president. The action was taken at a board of directors' meeting held in East Hartford, Conn., at the headquarters of the company's parent corporation United Aircraft.

WWII Pilot Joins Singer-Bridgeport

Establishment of a marketing program to step up military product development at the Singer-Bridgeport facility of the Singer Military Products Division has been announced by Robert W. Hewey, Bridgeport works manager.

Raymond E. Karcher was named to head up and develop the program as manager of military marketing at the Bridgeport works. Prior to joining Singer Mr. Karcher was manager of advertising and sales promotion for General Electric Company at Louisville, Ky. Later he was with G-E in Boston and Bridgeport. He served as a pilot and in air intelligence during WWII.

Army Navy Air Force Journal 27
13 Feb. 1960 (Vol. 97, P. 667)

Larsen Heads Du Mont Government Relations

Appointment of Paul J. Larsen as director of government relations for Allen B. Du Mont Laboratories, Inc., is announced by Dr. Allen B. Du Mont, the company's chairman. Mr. Larsen will maintain liaison for Du Mont Laboratories with both civilian and military branches of the government for its military electronic systems and for its commercial electronic products.

He will make his offices at Du Mont's Washington, D. C., headquarters, in the Pennsylvania building.

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Hot gas stabilization control

Hot gas steering control

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Both systems eliminate any need for pumps, heat exchangers, accumulators and other apparatus required in earlier control systems. And both systems utilize hot gas, operating off either the main engine or a separate fuel source.

The gas in the outer space reaction control system is fed into a set of nozzles which imparts spin to the missile to stabilize its flight through space.

In the terrestrial hot gas actuator control system the gas is fed into an on-off controlled linear actuator which moves the fins controlling the missile's attitude in the atmosphere or under water. This system also utilizes a concept developed from the AiResearch hydraulic "printed circuit." This approach eliminates complicated plumbing, thereby decreasing the weight and increasing the reliability of the system.

AiResearch is a pioneer, leading developer and manufacturer of hot gas systems and other nonpropulsive power systems for atmospheric, underwater and outer space missions.

Your inquiries are invited.

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MATS Will Modernize, Slim To 'Hard-Core' Role

M/G Calloway Takes QM Post In Pentagon

Maj. Gen. Charles G. Calloway, CG, Quartermaster Research and Engineering Command, Natick, Mass., reports to the Office of the Quartermaster General, Washington, D. C., 15 March.

Brig. Gen. Horace F. Bigelow, Office of the Chief of Army Ordnance, Washington, D. C., has succeeded Maj. Gen. August Schomburg as Deputy Chief.

Brig. Gen. Vonna F. Burger, CG, Army Artillery Training Center, Ft. Sill, Okla., and Brig. Gen. William R. Frederick, Artillery Commander, Seventh U. S. Army, Germany, retire 31 March.

From first page—
approved by the Chief Executive include:

- An orderly modernization of MATS "hard-core" military air lift capability
- Increased use of commercial cargo airlift as modern, economical long-range cargo aircraft are phased into commercial operation
- Adoption of fixed tariff rates filed with the Civil Aeronautics Board for cargo airlift, in place of the present practice of advertising for bids
- Establishment of longer-term contracts for MATS commercial carriers, and
- A study of the possibility of giving excess MATS aircraft to the Air Force

Reserve and Air National Guard, which could serve as an augmentation force for MATS in time of an emergency.

Policy actions approved by President Eisenhower eventually would restrict MATS' peacetime operations to "insure its capability to meet approved military hard-core requirements in a general war and in situations short of general war, and such other military requirements as cannot be met adequately by commercial carriers on an effective and timely basis."

Hard-core requirements, the report states, are "those airlift requirements which must move in military aircraft, manned and operated by military crews because of special military considera-

tions, security, or because of limiting physical characteristics such as size or dangerous properties.

"Included in this category," the report continues, "are special military deployments involving nuclear retaliatory forces, the SAC post strike recovery mission, tactical deployments, movement of missiles, special munitions, etc."

In future MATS' commercial contracts, the Presidential policy states, preference should be given to carriers committed to the Civil Reserve Air Fleet Program, whose facilities and equipment are most advantageous to the emergency needs of the Defense Department, or who demonstrate a willingness and ability to acquire "uncompromised" aircraft.

The CRAF program, President Eisenhower said, should be "re-examined with the objective of insuring optimum effectiveness and responsiveness of commercial airlift services to the Department of Defense under all conditions."

An Air Force program to carry out the new policies will be submitted to the Defense Department for approval by 1 May by Air Force Secretary Dudley C. Sharp.

Chairman of the Air Force Committee to study the new policy changes is Gordon W. Reed, Chairman of the Board of the Texas Gulf Producing Company.

Other members of the committee are: James W. Austin, President of Northeast Airlines; Dr. George P. Baker, Professor of Transportation, Harvard Graduate School of Business Administration, and President, Transportation Association of America; General Charles Bolte, USA-Ret.; Frederick M. Glass, Vice President and Vice Chairman of the Board, Empire State Building Corporation; Mr. William B. Harding of Smith, Barney and Company; and Mr. J. Saliba, Executive Vice President of Farrington Manufacturing Company.

Air Force Nominees

From page 9—

Helton, Elbert, DCS/Materiel, Fifth Air Force, PACAF, APO 925, San Francisco, Calif.

Kight, Richard T., Vice Commander, 33d Air Div (SAGE), ADC, Richards-Gebaur AFB, Mo.

Culbertson, Allman T., Deputy Commander, AF Missile Development Center, ARDC, Holloman AFB, New Mexico.

Putnam, Walter B., Commander, 36th Tactical Fighter Wg., USAF, APO 132, New York.

Huston, Vincent G., Commander, 3079th Aviation Depot Wg., AMC, Wright-Patterson AFB, Ohio.

Dusard, Leo F., Jr., Commander, 3615th Pilot Training Wg., ATC, Craig AFB, Ala.

Yancey, William R., Commander, 819th Air Div, SAC, Dyess AFB, Texas.

Tibbets, Paul W., Jr., Commander, 6th Air Div., SAC, MacDill AFB, Fla.

Meyers, Gilbert L., Commander, 4530th Combat Crew Tng. Wg., TAC, Williams AFB, Ariz.

Crow, Roger M., Director of Operations, Fifteenth AF, SAC, March AFB, Calif.

Lansdale, Edward G., Deputy Director for Special Operations, Office, Dep. Secy. of Def., OSD.

Leonhard, William E., Director of Installations, AF Ballistic Missiles Div., ARDC, Los Angeles, Calif.

McColpin, Carroll W., Director of Operations, North American Air Defense Command, Ent AFB, Colo.

Smith, Robert N., Director of Intelligence, SAC, Offutt AFB, Nebr.

McGehee, Thomas K., Commander, Grand Forks Air Defense Sector, ADC, Grand Forks AFB, North Dakota.

Henry, John B., Jr., Director of Secretariat, PACAF, APO 953, San Francisco, Calif.

Burns, Robert W., Asst. Deputy for Operations, ADC, Ent AFB, Colo.

Jenkins, Raymond T., Director, Plans & Hospitalization, Office of the Surgeon General.

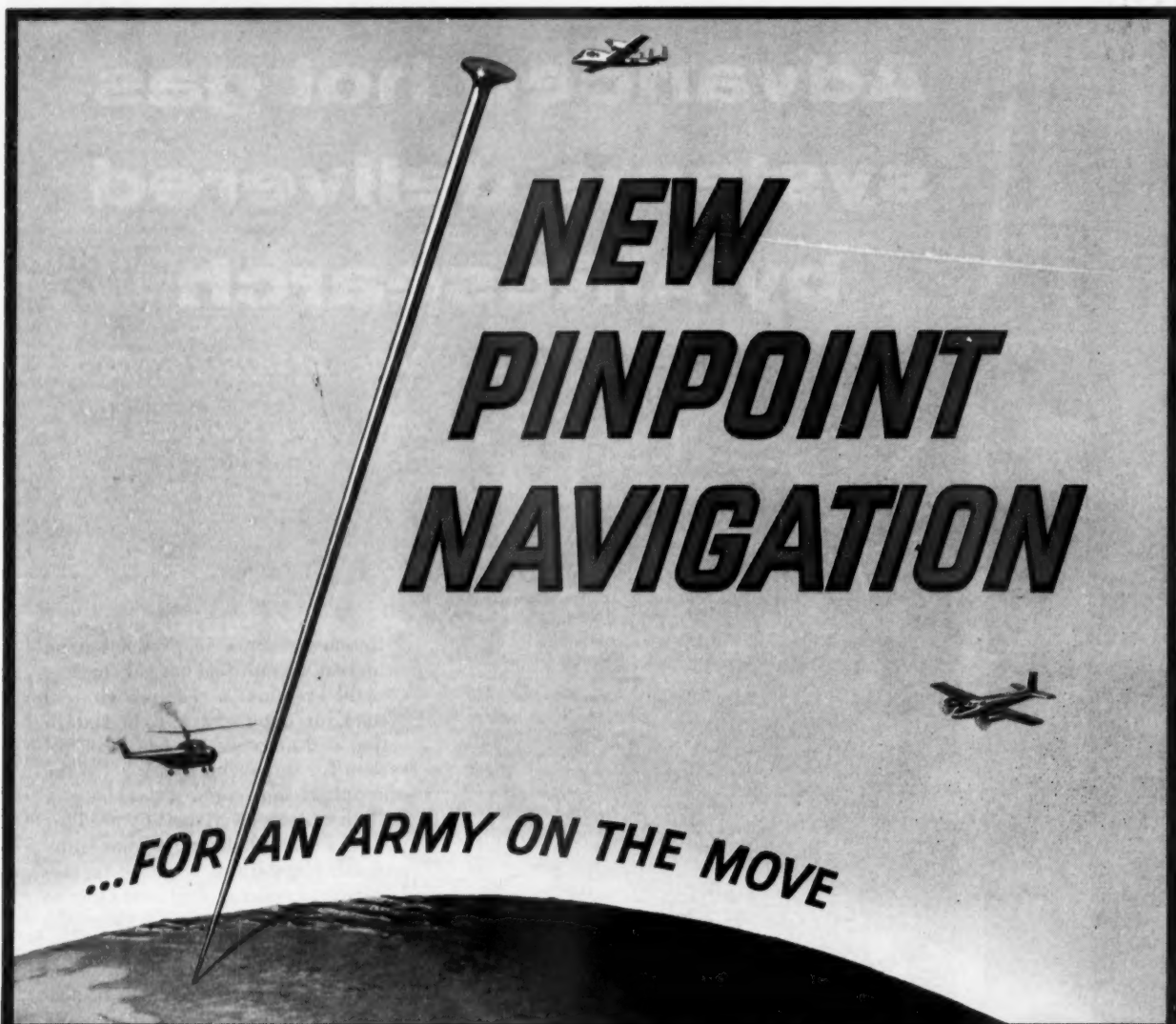
Humphreys, James W., Jr., Commander, USAF Hospital Wright-Patterson AMC, Wright-Patterson AFB, Ohio.

Hedlund, Earl C., Director of Transportation, DCS/M.

Bowman, Julian H., Chief of Staff, Air Materiel Command, Wright-Patterson AFB, Ohio.

Gough, Jamle, Deputy for Operations, Ninth AF, TAC, Shaw AFB, S. C.

Sherrill, James C., Assistant to Chairman, JCS.



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duction for use with the Army AO-1F Mohawk and RL-23D surveillance aircraft, and the Model 120B is guiding H-19 and H-34 Helicopters.

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